

# Atlas and wavenumber tables for visible part ( $419 \div 696$ nm) of the rovibronic multiline emission spectrum of the $D_2$ molecule measured with moderate resolution.

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The visible part ( $\approx 419 \div 696$  nm) of the multiline electronic-vibro-rotational emission spectrum of the  $D_2$  molecule was recorded with moderate resolution (line widths  $\approx 0.013$  nm). The resolution was limited by Doppler broadening of spectral lines. After numerical deconvolution of the recorded intensity distributions and proper calibration of the spectrometer the new set of wavenumber values was obtained. The results are reported in the form of an atlas divided into 158 sections (each section covers about 1.5 nm) containing pictures of images in the focal plane of the spectrometer, intensity distributions in linear and logarithmic scales and the table containing wavenumber and relative intensity values for 11990 spectral lines together with existing line assignments.

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## I. INTRODUCTION

Any activity in practical spectroscopy starts from recording certain spectra and recognizing lines, branches and bands interesting for an experimentalist. Most straightforward, dependable and easy way for the recognition is a comparison of an observed spectrum with certain reference atlases of spectra for various atoms and molecules. Currently for isotopologues of diatomic hydrogen (simplest neutral molecule) such an atlas is available only for the  $H_2$  isotopologue and only for limited part of vacuum ultraviolet (VUV) emission spectrum  $78.60 \div 171.35$  nm [1]. Present work reports atlas of multiline electronic-vibrotational (rovibronic) spectrum of the  $D_2$  molecule for visible part ( $419 \div 696$  nm) of the emission spectrum most suitable for practical applications in studies of deuterium containing plasmas.

Experimental studies of the  $D_2$  spectrum have been started soon after discovery of the heavy isotope of atomic hydrogen [2, 3]. Wavenumber values of rovibronic radiative transitions obtained by emission spectroscopy in visible [4–9] and infrared (IR) [10–12] parts of the  $D_2$  spectrum together with those obtained by VUV [13–18] and anticrossing [19–23] spectroscopic experiments were collected and analyzed in the review paper [24]. Later fragmentary measurements were made in middle infrared (about  $4.5 \mu m$ ) by FTIR (Fourier transform infrared) [25] and laser [26] spectroscopy. Measurements of the wavenumber values for separate rovibronic lines and empirical determination of singlet rovibronic term values are in progress up to now [27–32].

The spectrum of the  $D_2$  molecule is caused by both singlet-singlet and triplet-triplet rovibronic transitions. The intercombination lines were not observed yet. The most interesting resonance singlet-to-singlet band systems connected with the ground electronic state are located in vacuum ultraviolet. Singlet-to-singlet and triplet-to-triplet transitions between excited electronic states are responsible for light emission of ionized gases and plasmas in near infrared, visible and near ultraviolet. Grotrian diagram of currently known electronic states and studied band systems of the  $D_2$  molecule is shown in Fig. 1. It should be noted that atomic and molecular emission lines in the visible part of the spectrum are most often used for spectroscopic diagnostics of non-equilibrium plasmas (see e.g. [33–38]).

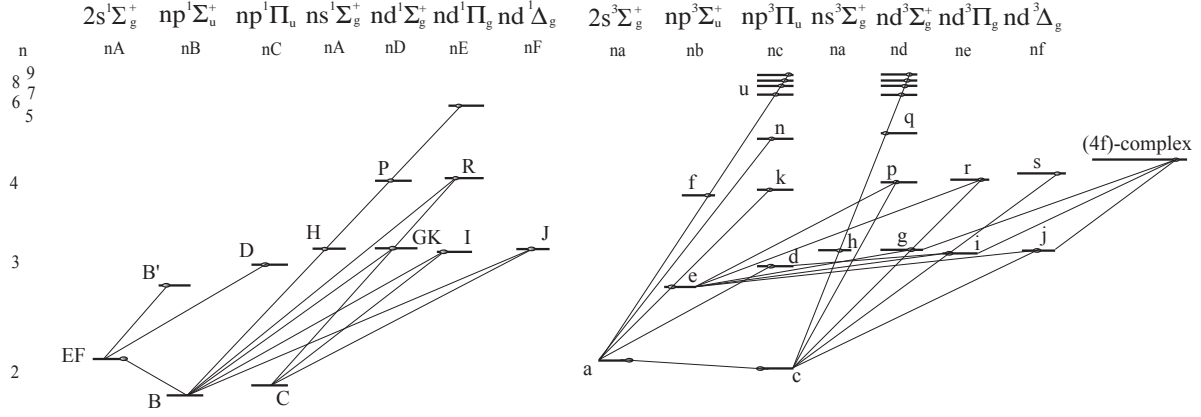


FIG. 1: Grotrian diagram representing currently known band systems of the  $D_2$  molecule according to [24, 39].

TABLE I: The list of notations used for designation of electronic states of the  $D_2$  molecule corresponding to various electron configurations.

Electron configuration	Singlet electronic states		Triplet electronic states	
	Traditional		Traditional	
	[40]	[24]	[40]	[24]
$1s\sigma^2$	$X^1\Sigma_g^+ 1s\sigma$	$X(1s)^1\Sigma_g^+$	1A	—
$1s\sigma 2s\sigma$	$E^1\Sigma_g^+ 2s\sigma$	$EF^1\Sigma_g^+$	$a^3\Sigma_g^+ 2s\sigma$	$a(2s)^3\Sigma_g^+$
$2p\sigma^2$	$F^1\Sigma_g^+ 2p\sigma^2$	$EF^1\Sigma_g^+$	$a^3\Sigma_g^+ 2s\sigma$	$a(2s)^3\Sigma_g^+$
$1s\sigma 2p\sigma$	$B^1\Sigma_u^+ 2p\sigma$	$B(2p)^1\Sigma_u^+$	$b^3\Sigma_u^+ 2p\sigma$	$b(2p)^3\Sigma_u^+$
$1s\sigma 2p\pi$	$C^1\Pi_u 2p\pi$	$C(2p)^1\Pi_u^\pm$	$c^3\Pi_u 2p\pi$	$c(2p)^3\Pi_u^\pm$
$1s\sigma 3s\sigma$	$H(3s)^1\Sigma_g^+$	$H(3s)^1\Sigma_g^+$	$h(3s)^3\Sigma_g^+$	$h(3s)^3\Sigma_g^+$
$1s\sigma 3p\sigma$	$B'^1\Sigma_u^+ 3p\sigma$	$B'(3p)^1\Sigma_u^+$	$e^3\Sigma_u^+ 3p\sigma$	$e(3p)^3\Sigma_u^+$
$1s\sigma 3p\pi$	$D^1\Pi_u 3p\pi$	$D(3p)^1\Pi_u^\pm$	$d^3\Pi_u 3p\pi$	$d(3p)^3\Pi_u^\pm$
$1s\sigma 3d\sigma$	$G^1\Sigma_g^+ 3d\sigma$	$GK^1\Sigma_g^+$	$g^3\Sigma_g^+ 3d\sigma$	$g(3d)^3\Sigma_g^+$
$1s\sigma 3d\pi$	$I^1\Pi_g^3 d\pi$	$I(3d)^1\Pi_g^\pm$	$i^3\Pi_g 3d\pi$	$i(3d)^3\Pi_g^\pm$
$1s\sigma 3d\delta$	$J(3d)^1\Delta_g^\pm$	$J(3d)^1\Delta_g^\pm$	$j^3\Delta_g 3d\delta$	$j(3d)^3\Delta_g^\pm$
$1s\sigma 4p\sigma$	$B''^1\Sigma_u^+ 4p\sigma$	$B''(4p)^1\Sigma_u^+$	$f^3\Sigma_u^+ 4p\sigma$	$f(4p)^3\Sigma_u^+$
$1s\sigma 4p\pi$	$D'^1\Pi_u 4p\pi$	$D'(4p)^1\Pi_u^\pm$	$k^3\Pi_u 4p\pi$	$k(4p)^3\Pi_u^\pm$
$1s\sigma 4d\sigma$	$P(4d)^1\Sigma_g^+$	$P(4d)^1\Sigma_g^+$	$p^3\Sigma_g^+ 4d\sigma$	$p(4d)^3\Sigma_g^+$
$1s\sigma 4d\pi$	$R(4d)^1\Pi_g^\pm$	$R(4d)^1\Pi_g^\pm$	$r^3\Pi_g 4d\pi$	$r(4d)^3\Pi_g^\pm$
$1s\sigma 4d\delta$	$S(4d)^1\Delta_g^\pm$	$S(4d)^1\Delta_g^\pm$	$s(4d)^3\Delta_g^\pm$	$s(4d)^3\Delta_g^\pm$
$1s\sigma 5p\sigma$	$B'''(5p)^1\Sigma_u^+$	$B'''(5p)^1\Sigma_u^+$	$n^3\Sigma_u^+ 5p\sigma$	$n(5p)^3\Sigma_u^+$
$1s\sigma 5p\pi$	$D'''^1\Pi_u 5p\pi$	$D'''(5p)^1\Pi_u^\pm$	$n^3\Pi_u 5p\pi$	$n(5p)^3\Pi_u^\pm$

Table I (Continued).

Electron configuration	Singlet electronic states		Triplet electronic states	
	Traditional	Dieke	Traditional	Dieke
	[40]	[24]	[40]	[24]
$1s\sigma 5d\sigma$			$q(^3\Sigma_g^+)5d\sigma$	$q(5d)^3\Sigma_g^+ 5d$
$1s\sigma 5d\pi$			$w(^3\Pi_g)5d\sigma$	
$1s\sigma 6p\sigma$		$(6p)^1\Sigma_u^+ 6B$		
$1s\sigma 6p\pi$		$(6p)^1\Pi_u^\pm 6C^\pm$	$u^3\Pi_u 6p\pi$	$u(6p)^3\Pi_u^\pm 6c^\pm$
$1s\sigma 6d\sigma$				$(6d)^3\Sigma_g^+ 6d$
$1s\sigma 7p\sigma$		$(7p)^1\Sigma_u^+ 7B$		
$1s\sigma 7p\pi$		$(7p)^1\Pi_u^\pm 7C^\pm$		$(7p)^3\Pi_u^\pm 7c^\pm$
$1s\sigma 7d\sigma$				$(7d)^3\Sigma_g^+ 7d$
$1s\sigma 8p\sigma$		$(8p)^1\Sigma_u^+ 8B$		
$1s\sigma 8p\pi$		$(8p)^1\Pi_u^\pm 8C^\pm$		$(8p)^3\Pi_u^\pm 8c^\pm$
$1s\sigma 8d\sigma$				$(8d)^3\Sigma_g^+ 8d$
$1s\sigma 9p\sigma$		$(9p)^1\Sigma_u^+ 9B$		
$1s\sigma 9p\pi$		$(9p)^1\Pi_u^\pm 9C^\pm$		$(9p)^3\Pi_u^\pm 9c^\pm$
$1s\sigma 9d\sigma$				$(9d)^3\Sigma_g^+ 9d$

Two different notations are used for the electronic states of the  $D_2$  [24, 40]. Traditional notation [40] does not need any additional explanations. It is based on the assumption of the adiabatic approximation and Hund's case 'b' for angular momenta coupling. The notation earlier introduced by G.H.Dieke [41] (and later made more exact in [24]) is based on the same assumptions but it is much more compact what is very important for long tables of spectral lines. For example, the  $(s\sigma)\Sigma_g^+$  states are denoted by uppercase letter "A" for singlets and by lowercase letter "a" for triplets, the  $(p\sigma)\Sigma_u^+$  states are marked by "B" or "b", the  $(p\pi)\Pi_u$  states by "C" or "c", the  $(d\sigma)\Sigma_g^+$  states by "D" or "d" etc. with the principal quantum number  $n$  of the excited electron for united atom limit case is included as a prefix.

The relation between notations from [40] and [24] is presented in Table I. One may see that Dieke's notations are much more compact than traditional. Only part of all investigated electronic states of  $D_2$  is listed in Table I. Singlet states  $(np)^1\Sigma_u^+$  up to  $n = 46$  were studied by absorption spectroscopy in the VUV region of the  $D_2$  spectrum [17], the study of these states is outside the scope of this paper and they are not listed in Table I.

For the rovibronic transitions Dieke's notation used in the Table II consists of: the multiplicity (all lines are assigned to either singlet-to-singlet or a triplet-to-triplet transition, indicated by S or T respectively), the reflection (Krönig) symmetry of the upper level (is given as + or -), electronic transition in Dieke's notations with the upper level coming



first, vibrational quantum numbers of the transition in the parentheses with the upper state listed first and finally the rotational branch ( $P$ ,  $Q$ , or  $R$ ) followed by the rotational quantum number of total angular momentum excluding spins of electrons and nuclei  $N''$  for the lower rovibronic state. For example the notation "T+ 4b-2a (2-3) P1" indicates the transition between  $f(4p)^3\Sigma_u^+$ ,  $v' = 2$ ,  $N' = 0$  and  $a(2s)^3\Sigma_g^+$ ,  $v'' = 3$ ,  $N'' = 1$  rovibronic levels in traditional notation.

## II. EXPERIMENTAL

We used experimental setup described elsewhere [42, 43]. Emission of plasma inside molybdenum capillary located between anode and cathode of a gas discharge tube was used as a light source. The flux of radiation through a hole in an anode was focused by achromatic lens on the entrance slit of the spectrometer. Detailed description of the self-made high resolution automatic spectrometer and corresponding software was reported in [43]. The 2.65 m Ebert-Fastie spectrograph with 1800 grooves per mm diffraction grating was equipped with additional camera lens (that gives effective focus length  $F = 6786 \pm 8$  mm) and computer-controlled CMOS matrix detector ( $22.2 \times 14.8$  mm<sup>2</sup>,  $1728 \times 1152$  pixels). The apparatus has linear dispersion of  $0.076 \div 0.065$  nm/mm in the wavelength range 400 – 700 nm, dynamic range of measurable intensities greater than  $10^4$  and maximum resolving power up to  $2 \times 10^5$ . However, actual resolving power in our conditions was mainly limited by Doppler broadening of the  $D_2$  spectral lines due to small reduced mass of nuclei.

For recording the  $D_2$  spectra with moderate resolution and large population of high rotational levels we used hot-cathode capillary-arc discharge lamp LD-2D described in [33] (initially filled with pure deuterium under the pressure  $\approx 6$  Torr, capillary inner diameter  $\varnothing 2$  mm, current density  $\approx 10$  A/cm<sup>2</sup>). Gas temperature  $T = 1890 \pm 170$  K was obtained from the intensity distribution in the rotational structure of the (2 – 2) Q-branch of Fulcher- $\alpha$  band system (see e.g. [44, 45]). It corresponds to Doppler linewidths (FWHM)  $\Delta\nu_D = 0.22 \div 0.37$  cm<sup>-1</sup> for  $1/\nu = 420 \div 700$  nm. Therefore we were able to open the entrance slit of the spectrometer up to 60  $\mu$ m for gaining more signal (and corresponding decrease in data accumulation time) without significant loss in resolution.

Our way of determining of the rovibronic transition wavenumbers developed in [42, 43, 46–48] is based on linear response of the CMOS matrix detector on the spectral irradiance

and digital intensity recording. Both things provide an extremely important advantage of our technique over traditional photographic recording with microphotometric comparator reading. It not only makes it easier to measure the relative spectral line intensities but also makes it possible to investigate the shape of the individual line profiles and, in the case of overlap of the contours of adjacent lines (so-called blending), to carry out numerically the deconvolution operation (inverse to the convolution operation) and thus to measure the intensity and wavelength of even blended lines.

It is known that, in the case of long-focus spectrometers, the dependence of the wavelength on the coordinate  $x$  along direction of dispersion, is close to linear in the vicinity of the center of the focal plane. It can be represented as a power series expansion over the small parameter  $x/F$ , which in our case does not exceed  $2 \times 10^{-3}$  (the  $x$ -coordinate actually represents small displacement from the center of the matrix detector.  $F$  is the focal length of the spectrometer). On the other hand, the wavelength dependence of the refractive index of air  $n(\lambda)$  is also close to linear inside a small enough part of the spectrum. Thus, when recording narrow spectral intervals, the product  $\lambda_{vac}(x) = \lambda(x)n(\lambda(x))$  has the form of a power series of low degree. This circumstance makes it possible to calibrate the spectrometer directly in vacuum wavelengths  $\lambda_{vac} = 1/\nu$ , thereby avoiding the technically troublesome problem of accurate measuring the refractive index of air under various conditions under which the measurements are made.

Another peculiarity of our calibration technique is using of experimental vacuum wavelength values from [24] as standard reference data. For bright unblended spectral lines these wavelength values show small random spread around smooth curve approximating the dependence of the wavelengths of the lines against their positions in the focal plane of the spectrometer. Moreover those random errors are in good accordance with normal Gaussian distribution function. Thus it is possible to obtain precision for new wavenumber values better than that of the reference data due to smoothing.

To be sure that the data from [24] are free from systematic errors we have had to perform special experiments with capillary-arc lamp analogous to that described in [49] (capillary diameter  $d = 1.5$  mm and current density  $j = 30$  A/cm<sup>2</sup>) but filled with the  $H_2 + D_2 + Ne$  mixture (1:1:2) under total pressure  $P \approx 8$  Torr [50].

For vacuum wavelength calibration we used bright and free of blending lines of the  $D_2$  and  $H_2$  molecules as well as  $Ne$  spectral lines with reference data from [24, 41, 51] respectively.

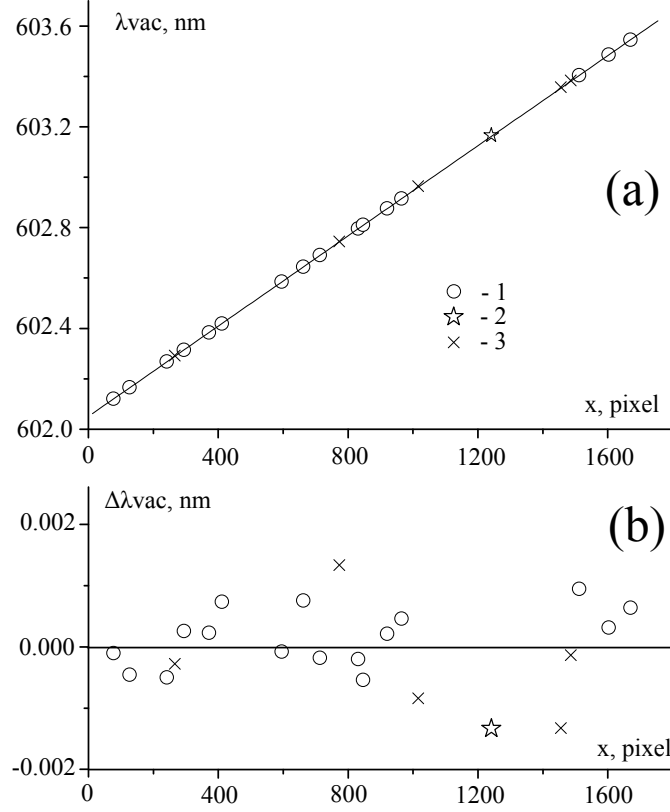


FIG. 2: Dependences of the vacuum wavelengths  $\lambda_{vac}$  of the brightest  $D_2$ ,  $H_2$  and  $Ne$  spectral lines on the coordinate (in pixels) in the focal plane of the spectrometer (a) and their deviations  $\Delta\lambda_{vac}$  from the calibration curve (b); 1 are the experimental values for the  $D_2$  molecule from [24], 2 — for the  $Ne$  atom from [51], 3 — for the  $H_2$  molecule from [41]; solid line represents the approximation of experimental data. [50]

The dependence of the line vacuum wavelength on its position on the CMOS matrix in pixels for these lines is shown on fig.2(a). One may see that the dependence of the wavelengths for most of the lines on the coordinate is monotonic and close to linear. The calibration curve of the spectrometer was obtained by the polynomial least-squares fitting of the data. Our measurements showed that, using the linear hypothesis is inadequate, third-degree polynomial is excessive, while an approximation by the second-degree polynomial provides calibration accuracy better than  $2 \times 10^{-3}$  nm. Such a wavelength calibration allows us to get new experimental values for the rovibronic line wavenumbers. The differences  $\Delta\lambda_{vac}$  between the new values and the used reference data are shown in fig.2(b). One may see that these differences have certain spread around calibration curve, that does not exceed 0.002

nm. Thus our measurements show that experimental wavenumber values from [24, 41, 51] are in good agreement with each other. Therefore in our studies of the  $D_2$  spectrum the vacuum wavelengths values from [24] were used as the reference data set. Such "internal reference light source" gave us an opportunity to eliminate experimental errors caused by the shift between a spectrum under the study and the reference spectrum from another reference light source, due to a different illumination of the grating by the different lamps (see e.g.[27]).

Each experimental wavenumber value measured in the framework of the procedure described above is obtained with the uncertainty (one standard deviation) determined by the quality of approximation of a recorded intensity distribution by a sum of spectral line profiles and the quality and quantity of standard reference data within every selected for processing small fragment ( $\approx 0.5$  nm) of the spectrum.

### III. RESULTS AND DISCUSSION

The visible part ( $\approx 419 \div 696$  nm) of the emission spectrum of the  $D_2$  plasma was recorded and analyzed by means of the technique described above. In the atlas and Table II of the present work we report this part of spectrum. It contains three lines of the atomic deuterium ( $D_\alpha$ ,  $D_\beta$ , and  $D_\gamma$ ), corresponding lines of atomic hydrogen (impurity) and 11984 lines of molecular deuterium. The results are reported in the form of the atlas divided into 158 sections each covering about 1.5 nm, containing pictures of images in the focal plane of the spectrometer, intensity distributions in linear and logarithmic scales and the table containing wavenumber and relative intensity values for recognized spectral lines together with existing line assignments. Positions of spectral lines obtained by the deconvolution are presented as "stick diagrams" indicating their wavenumbers and amplitudes. The numbering of the lines (for every fifth line) is shown under the intensity distributions in linear scale. Both the vacuum wavelength and wavenumber scales are valid for images and graphs.

Because of the restriction of the article volume allowed on arxiv.org we show only half of the measured points of the spectrum. Adjacent points are connected by the straight lines. For practical use of the atlas such visualization of the spectrum is sufficient.

All measured wavenumber values for assigned triplet spectral lines were used for obtaining the set of optimal rovibronic energy levels by means of the method of statistical analysis

[52] with input experimental data [4, 6, 10, 11, 23–26]. Detailed description of the analysis will be provided elsewhere. It was carried out similar to our previous work [46], but the observation of pseudo doublets [48] forced us to carry out the optimization in two stages. At the first stage spectral line wavenumber values for band systems having one common low electronic state  $a^3\Sigma_g^+$  ( $n^3\Lambda_g - a^3\Sigma_g^+$ , with  $\Lambda = 0, 1$  and  $n = 3 - 9$ ) were analyzed. Obtained values of rovibronic energy levels were fixed and then all other wavenumber values were added to the optimization procedure. Such a two-stage procedure gave us an opportunity to obtain 595 energy level values of  $a^3\Sigma_g^+$ ,  $n^3\Lambda_g$  with  $\Lambda = 0, 1$  and  $n = 3 - 9$  electronic states having small fine structure splitting value with high precision. The values for 450 energy level values of  $c^3\Pi_u$ ,  $n^3\Lambda_u$  with  $\Lambda = 0, 1$  and  $n = 3 - 9$  electronic states are less accurate due to observed partially resolved fine structure for some part of triplet lines connected with vibro-rotational levels of the  $c^3\Pi_u^-$  electronic state [48].

Our statistical analysis shows good agreement (in the framework of the Rydberg-Ritz combination principle) between used wavenumbers of spectral lines spread over the very wide range 0.896–28166.84 cm<sup>-1</sup> from radio frequencies up to the ultraviolet obtained for various band systems, by various methods and authors, and in various works.

Table II contains: first column — spectral line number  $K$ , second and third column — measured wavenumber  $\nu$  and intensity  $I$  values respectively with standard deviation in units of last significant digit, fourth column — wavenumber values of lines from [24] used as reference data and the fifth column — assignment in the Dieke's notations. Confirmed by statistical analysis assignments for triplet lines are shown in bold and the new assignments proposed in the present work are shown in italic.

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TABLE II: Vacuum wavenumber values for the  $D_2$  rovibronic spectral lines, obtained in the present work  $\nu$ . The uncertainties of the  $\nu$  value determination (one SD) are shown in brackets in units of last significant digit.  $\nu_R$  — the wavenumber values from [24] used as reference data.

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1	23894.65(9)	7.1(5)		S 3A-2B (2-2) P2	26	23867.33(8)	13.6(5)		<b>T- 4c-2a (1-0) Q4</b> S 3A-2B (3-4) R6
2	23893.52(10)	7.4(6)			27	23865.90(8)	11.2(5)		
3	23892.73(9)	8.9(6)			28	23864.57(6)	44.4(5)	23864.60	
4	23891.74(9)	6.5(5)			29	23863.36(7)	16.9(5)	23863.38	
5	23890.57(7)	17.4(5)			30	23862.30(9)	12.7(7)	23862.42	
6	23889.57(8)	9.7(5)			31	23861.44(10)	10.4(7)	23861.44	
7	23888.32(8)	9.6(5)			32	23860.17(6)	96.0(6)	23860.23	
8	23887.40(7)	18.5(5)	23887.42		33	23858.97(12)	4.5(5)		
9	23886.36(9)	6.7(5)			34	23857.76(10)	7.2(5)		
10	23885.25(6)	20.2(4)			35	23856.63(8)	11.1(5)		
11	23884.05(5)	129.0(5)	23884.10	S- 3E-2B (2-1) Q8	36	23855.29(7)	13.8(5)		S+ 3E-2B (2-1) R3
12	23882.76(8)	8.7(5)			37	23854.01(8)	9.2(5)		
13	23881.74(8)	11.2(5)			38	23852.76(9)	8.2(5)		
14	23880.70(9)	8.5(5)			39	23851.60(8)	10.5(5)		
15	23879.89(10)	6.7(5)			40	23850.35(8)	11.8(5)		
16	23878.89(10)	6.2(5)			41	23849.24(7)	14.9(5)		
17	23877.94(10)	5.5(5)			42	23847.89(10)	6.5(5)		
18	23876.75(6)	48.1(5)	23876.66		43	23846.76(11)	6.8(5)		
19	23875.18(6)	68.1(5)	23875.10		44	23845.70(8)	13.0(6)		
20	23873.86(12)	7.1(8)			45	23844.56(11)	10.2(9)		
21	23873.03(10)	14.2(7)		S- 3E-2B (4-4) Q9	46	23843.79(11)	10.7(9)		<b>T+ 4d-2c (2-1) R1</b>
22	23872.04(10)	14.8(8)			47	23842.73(11)	6.3(6)		
23	23871.27(8)	15.6(10)			48	23841.51(7)	22.8(6)	23841.50	
24	23869.61(8)	10.2(5)			49	23840.51(8)	11.7(6)		
25	23868.37(7)	16.0(5)			50	23839.42(7)	22.4(6)	23839.34	
									<b>T- 4c-2a (1-0) Q5</b>



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
51 23838.30(5)	293.9(7) 23838.29	S- 3E-2B (2-1) Q7	81 23807.10(16)	5.4(6)	S 3A-2B (3-4) R5
52 23837.09(8)	12.7(7)		82 23806.03(10)	32.1(5) 23806.03	
53 23836.31(8)	14.8(7)		83 23805.01(13)	9.1(6)	
54 23835.48(7)	18.1(7)	S+ GK-2B (8-3) R2	84 23804.15(14)	8.2(6)	T+ 4c-2a (1-0) P3
55 23834.58(8)	12.3(6)		85 23803.06(14)	5.4(6)	
56 23833.46(8)	9.8(6)		86 23801.67(10)	30.1(6)	
57 23832.42(7)	13.9(6)	S+ GK-2B (8-3) R1	87 23800.83(11)	20.3(6) 23801.06	S- 3E-2B (2-1) Q6
58 23831.28(8)	14.1(7)		88 23799.31(9)	176.6(6) 23799.33	
59 23830.54(8)	13.9(7)		89 23798.06(12)	11.9(7)	
60 23829.49(8)	14.3(6)	T+ 4d-2c (2-1) R2	90 23797.27(14)	8.7(7)	S- 3F-2B (1-0) Q5 S+ GK-2B (8-3) P1 T+ 4d-2c (2-1) Q2
61 23828.59(8)	17.7(9)		91 23796.23(15)	5.9(7)	
62 23827.92(9)	12.3(9)		92 23795.43(14)	7.5(7)	
63 23826.97(7)	22.8(6) 23826.94	T+ 4d-2c (2-1) R2	93 23794.13(10)	55.8(6) 23794.17	S- 3F-2B (1-0) Q5 S+ GK-2B (8-3) P1 T+ 4d-2c (2-1) Q2
64 23825.95(8)	11.2(6)		94 23792.94(11)	18.5(8) 23792.87	
65 23825.00(8)	10.2(6)		95 23792.21(14)	9.8(8)	
66 23823.98(8)	41.0(6) 23823.96	S- 3E-2B (4-4) Q8	96 23791.38(13)	11.2(7)	S- 3E-2B (4-4) Q7
67 23823.01(14)	7.7(5)	S+ GK-2B (8-3) R0	97 23790.52(15)	5.3(6)	
68 23822.07(12)	9.9(5) 23822.18	S+ 3F-2B (1-0) R3	98 23787.18(13)	10.4(10)	
69 23820.71(14)	5.8(5)		99 23786.53(15)	9.0(9)	S- 3E-2B (4-4) Q7
70 23819.69(12)	10.2(5)		100 23785.64(13)	8.9(6)	
71 23818.50(11)	10.5(4)	S+ 3E-2B (2-1) R2	101 23784.71(14)	6.0(6)	
72 23817.13(12)	7.3(4)		102 23783.36(13)	5.9(6)	S- 3E-2B (4-4) Q7
73 23815.63(11)	11.9(4) 23815.45		103 23781.91(12)	8.7(6)	
74 23814.20(10)	61.9(6) 23814.24	S- 4E-2B (3-9) Q3 T- 4c-2a (1-0) Q6	104 23780.97(12)	12.2(6)	
75 23813.30(14)	6.0(5)		105 23779.87(10)	33.5(6) 23779.81	
76 23812.06(10)	43.9(5) 23812.07		106 23778.79(13)	6.8(6)	S- 3E-2B (4-4) Q7
77 23810.86(14)	5.6(5)	S- 4E-2B (3-9) Q3 T- 4c-2a (1-0) Q6	107 23777.53(9)	96.9(6) 23777.53	
78 23809.76(16)	5.8(6)		108 23776.35(12)	10.1(6)	
79 23808.95(10)	50.0(7)		109 23775.47(13)	8.5(6)	
80 23807.93(16)	5.7(6)				

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
110 23774.31(11)	15.1(6) 23774.26	<b>T- 4c-2a (1-0) Q7</b>	138 23738.71(14)	4.5(8)	S- 3F-2B (1-0) Q4 S- 3E-2B (4-4) Q6 <b>T- 4c-2a (1-0) Q8</b>
111 23773.26(14)	6.3(6)		139 23737.89(7)	22.4(10) 23737.89	
112 23771.94(13)	7.6(6)		140 23737.19(4)	47.5(13) 23737.21	
113 23771.00(13)	8.3(6)		141 23734.74(5)	14.1(5) 23734.73	
114 23769.98(11)	12.3(6)		142 23731.73(10)	5.6(7)	
115 23768.80(13)	8.1(6)		143 23730.87(8)	9.3(6)	
116 23767.94(13)	9.4(6)		144 23729.91(9)	8.0(6)	
117 23766.74(9)	399.0(8) 23766.78	S- 3E-2B (2-1) Q5 S 3A-2B (3-4) R4	145 23729.04(8)	8.0(6)	S+ 3E-2B (2-1) R0
118 23765.71(13)	11.1(7)	S+ 3E-2B (2-1) R1	146 23727.96(12)	3.2(5)	
119 23764.92(9)	105.8(7) 23764.93		147 23725.73(4)	62.5(6) 23725.74	
120 23763.89(12)	20.6(11)	S+ GK-2B (4-0) R2	148 23724.73(8)	6.9(6)	
121 23763.26(14)	12.7(11)		149 23723.54(5)	36(2)	
122 23762.37(13)	11.2(7)	<b>T+ 4c-2a (1-0) P4</b> S+ 3E-2B (1-0) R8 S+ GK-2B (4-0) R1	150 23722.98(4)	164(2) 23723.00	S- 3E-2B (2-1) Q3
123 23761.63(11)	16.7(8)		151 23721.96(7)	15.7(8)	
124 23760.43(12)	12.4(6)		152 23721.20(15)	4.2(8)	
125 23759.51(11)	13.4(6)		153 23720.04(6)	36(4)	
126 23758.39(12)	11.6(6)		154 23719.54(4)	292(5) 23719.55	
127 23757.52(12)	11.6(7)		155 23718.18(7)	9.2(7)	
128 23756.55(12)	15.5(7)		156 23717.33(9)	9.4(7)	
129 23755.76(13)	10.6(7)	<b>T+ 4c-2a (1-0) P4</b> S+ 3E-2B (1-0) R8 S+ GK-2B (4-0) R1	157 23716.38(10)	16(3)	S 3A-2B (3-4) R3
130 23754.95(12)	14.4(7)		158 23715.86(7)	28(3)	
131 23751.17(5)	11.2(5)		159 23714.90(7)	8.8(6)	
132 23748.45(5)	11.7(5) 23748.42		160 23713.19(4)	22.7(5) 23713.24	
133 23746.63(4)	83.3(7) 23746.63		161 23711.83(5)	26.6(7) 23711.79	
134 23745.76(8)	7.5(6)		162 23711.02(10)	8.0(7)	
135 23742.57(5)	18.5(5) 23742.56		163 23710.13(6)	19.4(7) 23710.14	S+ 3E-2B (2-1) P6 S+ GK-2B (8-3) P4
136 23741.35(4)	59.3(5) 23741.34	S+ GK-2B (8-3) P3	164 23709.26(5)	15.5(6) 23709.27	
137 23740.22(3)	162.3(6) 23740.23	S- 3E-2B (2-1) Q4	165 23706.62(7)	12.3(11)	
			166 23705.94(4)	81.0(10) 23705.94	
			167 23704.97(7)	25(2)	<b>T+ 4c-2a (1-0) P5</b>

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
168 23704.41(4)	129(2) 23704.42	S- 3E-2B (2-1) Q2	198 23672.91(7)	18.6(6) 23672.91	S- 4E-2C (5-1) P3 S 3A-2B (3-4) R2 S+ 3E-2B (2-1) P3
169 23703.26(7)	40(6)		199 23672.03(13)	13(3)	
170 23702.86(4)	105(6) 23702.89	S- 3E-2B (4-4) Q5	200 23671.59(9)	20(3)	
171 23701.63(6)	13.0(7)		201 23670.35(5)	190.0(6) 23670.37	S+ 3E-2B (2-1) P3
172 23700.82(8)	9.9(7)		202 23669.18(8)	8.8(6)	
173 23699.78(10)	25(4)	<b>T+ 4c-2a (2-1) R2</b>	203 23668.29(8)	10.2(6)	
174 23699.24(5)	84(4) 23699.27		204 23666.91(6)	28.5(6) 23666.91	S+ 3E-2B (2-1) P2
175 23698.25(5)	32.3(8) 23698.22		205 23666.03(6)	48.2(6) 23666.03	
176 23696.78(6)	12.1(6)		206 23663.97(19)	1.5(5)	
177 23695.69(6)	12.5(6)	S+ 3F-2B (1-0) R1	207 23661.55(7)	13.9(5)	<b>T+ 4c-2a (2-1) R0</b>
178 23694.55(3)	174.9(7) 23694.50	S- 3E-2B (2-1) Q1	208 23660.60(8)	8.2(5)	
179 23692.94(6)	12.9(7)		209 23659.24(9)	8.3(6)	
180 23691.91(3)	208.4(8) 23691.89	S+ 3E-2B (2-1) P5	210 23658.46(8)	14.0(5)	S- 3E-2B (4-4) Q3 <b>T+ 4c-2a (1-0) P6</b>
181 23690.64(4)	38.7(6) 23690.67	S+ 3F-2B (1-0) P6	211 23657.47(7)	25.3(6)	
182 23689.52(8)	8.7(6)		212 23656.77(6)	29.8(7)	
183 23688.35(7)	9.5(6)		213 23655.15(6)	25.3(5) 23655.23	S+ GK-2B (5-1) R7
184 23687.18(7)	12.5(8)		214 23653.82(7)	26.4(14) 23653.84	
185 23686.28(7)	20.9(10) 23686.20		215 23653.30(7)	35.7(14) 23653.39	
186 23685.47(11)	10.9(10)		216 23652.04(5)	172.9(5) 23652.02	S+ GK-2B (5-1) R7
187 23684.48(10)	23(3)		217 23650.76(6)	27.1(5) 23650.70	
188 23683.89(7)	31(3)	S+ 3E-2B (4-4) R1	218 23649.73(12)	3.5(5)	
189 23682.87(4)	62.1(7) 23682.83		219 23648.27(6)	61.0(5) 23648.27	<b>T+ 4c-2a (2-1) R1</b> S+ 3E-2B (2-1) P4
190 23681.73(9)	12.1(11)		220 23647.40(8)	11.2(5)	
191 23680.87(10)	22(3) 23680.84		221 23646.34(6)	43.5(5) 23646.31	
192 23680.29(4)	94(3) 23680.33		222 23645.21(11)	4.0(5)	S+ 3E-2B (2-1) P4
193 23679.10(4)	84.2(11)		223 23644.27(10)	5.3(5)	
194 23678.36(6)	23.9(12)		224 23643.03(8)	17.2(10) 23643.08	
195 23677.09(6)	10.9(6)		225 23642.38(7)	46.9(8) 23642.34	S- 3E-2B (4-4) Q4
196 23674.55(6)	77.9(9) 23674.57		226 23641.66(12)	10.8(10)	
197 23673.91(8)	14.7(9) 23673.96		227 23641.06(9)	14.5(12)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
228 23640.02(6)	32.9(6)	<b>T+ 4b-2a (2-0) R2</b>	258 23604.55(11)	9.7(10)	<b>T- 4c-2a (2-1) Q3</b>
229 23639.31(6)	123.2(7)		259 23603.10(8)	24.2(6)	
230 23637.95(7)	17.0(5)		260 23602.16(7)	124.8(7)	
231 23636.52(7)	11.7(5)		261 23600.62(10)	7.6(6)	
232 23635.24(6)	72.8(5)		262 23599.45(11)	18(3)	
233 23633.99(8)	8.3(5)	S- 3E-2B (4-4) Q2	263 23598.96(9)	34(3)	S+ 3E-2B (4-4) P3
234 23633.01(6)	41.9(7)		264 23598.00(7)	34.7(6)	
235 23632.21(9)	9.6(5)		265 23596.77(8)	15.7(6)	
236 23631.23(13)	10.4(10)	S+ 3F-2B (2-2) R5	266 23595.31(7)	42.8(6)	
237 23630.48(8)	21.5(11)		267 23594.52(8)	14.2(5)	
238 23629.43(11)	6.5(6)		268 23593.57(7)	60.1(6)	
239 23628.35(8)	12.0(6)	<b>T+ 4b-2a (2-0) R1</b>	269 23592.28(8)	19.1(6)	
240 23626.91(8)	18.6(8)		270 23590.96(10)	12.0(8)	
241 23626.08(9)	15.5(8)		271 23590.29(7)	41.2(7)	
242 23625.22(11)	9.1(8)	S- 3E-2B (4-4) Q1	272 23589.34(9)	10.1(5)	
243 23624.03(6)	129.1(12)		273 23588.36(10)	12.3(9)	
244 23623.35(6)	66.1(12)		274 23587.74(7)	39.8(9)	
245 23621.88(7)	17.8(6)	S 3A-2B (3-4) R0	275 23586.18(11)	4.5(5)	S- 3F-2B (2-2) Q7
246 23620.95(7)	17.6(6)		276 23585.01(15)	3.9(7)	
247 23619.62(7)	27.2(6)		277 23584.31(8)	22.5(7)	
248 23617.31(7)	42.3(6)	<b>T- 4c-2a (2-1) Q2</b>	278 23583.31(7)	39.8(7)	S 3A-2B (3-4) P6
249 23616.29(9)	12.2(6)		279 23582.59(13)	8.7(8)	
250 23615.39(9)	12.7(6)		280 23581.94(8)	23.9(9)	
251 23614.34(8)	39.6(8)	<b>T+ 4b-2a (2-0) R0</b>	281 23580.56(7)	25.9(5)	<b>T- 4c-2a (2-1) Q4</b>
252 23613.62(8)	28.6(8)		282 23579.39(7)	100.1(6)	
253 23612.46(8)	22.2(6)		283 23578.62(7)	41.7(6)	
254 23610.50(9)	9.3(6)	S+ 3E-2B (4-4) P2	284 23577.80(11)	12.7(8)	
255 23608.85(10)	6.4(6)		285 23577.16(13)	7.4(9)	
256 23607.01(11)	5.9(6)		286 23576.19(7)	37.3(5)	
257 23605.21(8)	23.0(10)		287 23574.95(10)	5.6(5)	





Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
404 23459.07(8)	21.6(8)	23459.10		434 23428.26(7)	23.9(9)		
405 23458.08(9)	9.6(6)			435 23427.38(9)	13.0(8)		
406 23456.91(8)	10.5(6)			436 23426.47(8)	13.3(8)		S- 4E-2B (1-6) Q5
407 23455.94(9)	8.9(6)			437 23425.13(7)	18.9(8)		
408 23454.01(8)	16.9(9)			438 23424.33(6)	48.6(6)	23424.31	
409 23453.26(8)	15.0(9)			439 23422.78(9)	12.4(5)		
410 23452.07(6)	52.6(9)	23452.01		440 23421.39(10)	8.9(5)		
411 23451.29(7)	26.3(9)	23451.26	S+ GK-2B (5-1) P2	441 23419.63(9)	10.7(5)		
412 23450.41(9)	12.5(8)			442 23417.93(7)	29.1(5)		S+ GK-2B (5-1) P3
413 23449.56(9)	11.4(8)		S- 3F-2B (2-2) Q5	443 23416.24(7)	23.1(5)	23416.28	
414 23446.83(10)	7.6(8)			444 23414.49(8)	17.0(5)		
415 23445.94(10)	9.9(8)			445 23413.14(7)	30.1(5)		
416 23445.12(8)	14.8(8)			446 23411.62(7)	21.5(5)		S 4D-2B (0-4) R0
417 23444.22(9)	12.6(8)			447 23410.17(8)	16.6(5)		S 4D-2B (0-4) R3
418 23443.38(8)	17.7(8)			448 23408.75(8)	21.1(5)		
419 23442.40(8)	11.1(8)			449 23407.34(10)	9.5(5)		
420 23441.09(8)	12.0(8)		S+ GK-2B (9-4) P3	450 23405.78(6)	19.4(6)	23405.74	
421 23439.97(6)	44.1(8)	23439.96	S+ 3E-2B (1-0) R4	451 23404.64(6)	11.5(5)		
422 23438.92(6)	103(2)	23438.91	S- 3E-2B (3-3) Q8	452 23403.67(10)	4.1(5)		
423 23438.41(6)	74(2)	23438.38		453 23402.59(6)	10.9(7)		S 4D-2B (0-4) R1
424 23437.48(9)	10.7(8)			454 23401.86(6)	15.2(7)		
425 23436.57(7)	26.4(9)	23436.58		455 23400.93(6)	9.8(5)		
426 23435.77(14)	4.8(8)			456 23399.74(5)	20.4(6)		
427 23434.76(10)	8.8(8)			457 23398.90(5)	19.7(6)		
428 23433.92(9)	12.2(8)			458 23398.08(6)	9.8(6)		
429 23432.80(5)	485.9(11)	23432.80	S- 3E-2B (1-0) Q9	459 23397.01(8)	5.5(5)		
430 23431.88(7)	26.2(8)			460 23395.98(5)	27.6(16)		
431 23430.83(9)	11.2(8)			461 23395.47(7)	14.2(16)		
432 23429.92(8)	16.3(8)		S 4D-2B (0-4) R4	462 23394.36(8)	6.6(6)		
433 23429.01(8)	18.2(9)			463 23393.50(5)	14.7(6)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
464 23392.48(7)	7.7(6)	S- 3E-2B (3-3) Q7	494 23356.82(9)	9.0(13)	S- 4E-2B (1-6) Q1 S+ 3F-2B (2-2) R1
465 23391.65(7)	8.7(6)		495 23355.30(11)	8.5(14)	
466 23390.60(3)	229.6(7) 23390.58		496 23354.42(8)	15.3(14)	
467 23389.45(6)	9.3(5)		497 23353.47(9)	13.9(15)	
468 23388.41(7)	7.4(6)	S+ GK-2B (6-2) R3	498 23352.69(7)	18.3(15)	S- 3E-2B (3-3) Q6 S+ 3F-2B (2-2) P6
469 23387.61(8)	5.8(6)		499 23348.76(4)	136.8(13) 23348.73	
470 23383.76(5)	40.7(10) 23383.85		500 23347.21(7)	19.5(13)	
471 23383.04(4)	85.0(10)		501 23346.34(8)	13.5(13)	
472 23381.71(5)	15.8(8)	S- 3E-2B (1-0) Q8	502 23344.51(6)	22.8(13) 23344.52	<b>T- 4c-2a (3-2) Q1</b> S+ 3E-2B (1-0) P9
473 23380.46(4)	29.6(8) 23380.45		503 23342.01(8)	12.0(13)	
474 23378.97(4)	284.4(13) 23378.96		504 23339.39(4)	48.8(9) 23339.42	
475 23378.12(5)	57.3(15)		505 23336.72(9)	3.9(6)	
476 23377.53(8)	14.9(19)	<b>T+ 4c-2a (3-2) R0</b>	506 23334.67(4)	42.8(9) 23334.68	<b>T- 4c-2a (3-2) Q2</b>  S- 3E-2B (1-0) Q7
477 23376.33(5)	21.3(8) 23376.33		507 23333.62(7)	10.3(9)	
478 23375.09(7)	16.8(13)		508 23332.50(3)	660.5(11) 23332.51	
479 23374.47(5)	31.2(13) 23374.46		509 23331.25(4)	42.1(9) 23331.28	
480 23371.96(4)	65.2(10) 23371.92	S+ GK-2B (6-2) R1	510 23330.23(8)	5.4(6)	S+ GK-2B (9-4) P6 S+ WZ-2B (0-3) R2
481 23371.23(4)	100.6(10) 23371.23	S+ 3E-2B (1-0) R3	511 23329.32(8)	5.4(6)	
482 23369.61(7)	10.5(9)	S+ GK-2B (9-4) P5	512 23328.24(7)	6.9(6)	
483 23368.79(8)	8.9(8)		513 23326.92(4)	26.5(6)	
484 23367.78(8)	9.9(8)	S+ GK-2B (5-1) P6	514 23325.77(7)	7.4(6)	<b>T- 4c-2a (3-2) Q3</b> S+ 3E-2B (1-0) R2
485 23366.94(10)	6.5(8)		515 23324.27(5)	17.1(6) 23324.29	
486 23364.66(5)	29.7(8) 23364.66		516 23322.93(8)	4.9(6)	
487 23363.68(10)	7.6(9)		517 23320.79(8)	7.5(8)	
488 23362.90(6)	15.8(9)	S+ GK-2B (6-2) R0	518 23319.96(5)	29.5(8) 23319.94	S+ 3E-2B (1-0) R2
489 23361.88(7)	15.4(11)		519 23319.15(4)	83.3(8) 23319.19	
490 23361.20(7)	15.8(11)		520 23317.18(7)	9.7(7)	
491 23359.93(5)	18.0(8)		521 23315.12(6)	18.2(10)	
492 23358.96(8)	8.3(8)	S+ GK-2B (6-2) R0	522 23314.46(8)	10.2(10)	
493 23358.03(8)	7.7(8)				



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
523 23313.29(3)	305.9(9)	23313.29	S- 3E-2B (3-3) Q5	553 23276.92(8)	11.4(10)		<b>T- 4c-2a (3-2) Q5</b>
524 23312.30(5)	23.3(8)			554 23276.18(5)	30.9(9)	23276.20	
525 23311.18(5)	31.4(8)	23311.19	S+ EF-2B (32-1) R1	555 23275.28(6)	12.9(8)		
526 23310.31(8)	7.7(8)			556 23274.24(8)	7.7(8)		
527 23307.98(5)	19.5(7)	23308.01	S+ 3F-2B (2-2) P5	557 23273.18(6)	16.2(9)		S+ EF-2B (32-1) P1
528 23306.13(7)	9.9(8)			558 23272.40(7)	12.8(9)		
529 23305.07(4)	32.1(8)	23305.03	S+ GK-2B (6-2) P2	559 23271.31(6)	20.9(10)		
530 23303.81(4)	52.6(8)	23303.79	S+ 3E-2B (3-3) R1	560 23270.60(6)	17.6(10)		
531 23302.07(4)	27.5(7)	23302.09		561 23269.60(6)	12.2(8)		S+ 3E-2B (1-0) R1
532 23300.47(4)	73.7(8)	23300.46	<b>T- 4c-2a (3-2) Q4</b>	562 23268.56(7)	9.7(8)		
533 23299.49(7)	9.3(8)			563 23267.66(7)	13.1(9)		
534 23297.64(4)	32.3(7)			564 23266.79(4)	201(4)	23266.78	
535 23295.57(5)	15.9(8)		S+ 3E-2B (1-0) P8	565 23266.37(4)	160(5)	23266.35	S+ 3E-2B (3-3) R0
536 23294.58(5)	19.3(8)			566 23265.25(6)	9.3(8)		
537 23293.34(3)	391.4(10)	23293.30	S- 3E-2B (1-0) Q6	567 23263.75(4)	32.2(8)	23263.72	
538 23292.52(5)	24.9(9)			568 23262.83(6)	22(2)		
539 23290.79(4)	49.8(8)	23290.80		569 23262.33(4)	50(2)		S- 3E-2B (1-0) Q5 S- 3E-2B (3-3) Q3
540 23289.85(6)	15.5(8)			570 23260.98(3)	1113.0(14)	23260.97	
541 23288.75(6)	11.9(8)						
542 23286.71(8)	7.5(8)			571 23260.19(4)	47.9(11)		
543 23285.77(6)	12.1(8)			572 23259.01(6)	17.0(13)		S+ GK-2B (6-2) P4
544 23284.58(7)	37(6)		S- 3E-2B (3-3) Q4	573 23258.38(6)	19.1(12)		
545 23284.21(4)	207(6)			574 23257.56(9)	7.1(9)		
546 23283.21(6)	16.7(9)			575 23256.47(7)	8.9(8)		
547 23282.43(5)	41.1(9)	23282.49	<b>T+ 4c-2a (3-2) P2</b>	576 23255.32(3)	171.2(8)	23255.32	S+ GK-2B (6-2) P4
548 23281.53(6)	16.1(8)			577 23254.28(6)	23(2)		
549 23280.53(4)	70.2(9)	23280.46	S+ GK-2B (6-2) P3	578 23253.79(5)	30(2)	23253.78	
550 23279.69(6)	22.7(11)			579 23250.31(3)	78.4(8)	23250.31	
551 23279.02(5)	24.6(11)			580 23249.24(8)	7.6(8)		S+ GK-2B (6-2) P4
552 23277.88(4)	71.9(8)	23277.82		581 23248.43(5)	14.6(8)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
582 23247.22(3)	50.4(8)	23247.22	S+ EF-2B (32-1) P2	610 23212.35(3)	55.4(9)	23212.32	S+ 3E-2B (3-3) P2
583 23245.76(3)	450.4(8)	23245.76	<b>T- 4c-2a (3-2) Q6</b>	611 23211.58(6)	13.1(9)		
584 23244.62(9)	6.3(9)			612 23210.44(5)	39.5(9)	23210.44	
585 23243.79(3)	294.4(14)	23243.86		613 23208.29(13)	6.3(10)		
586 23243.21(4)	46.2(14)		S- 3E-2B (3-3) Q2	614 23207.48(13)	5.8(10)		
587 23242.32(3)	64.0(8)	23242.34		615 23205.82(9)	10.9(9)		S- 3E-2B (1-0) Q2 S+ WZ-2B (0-3) P4 S- 3E-2B (5-6) Q6 <b>T+ 4c-2a (3-2) P4</b>
588 23241.38(3)	61.2(8)	23241.41		616 23203.98(6)	106.2(9)	23203.92	
589 23237.50(4)	18.1(8)			617 23201.98(8)	23.9(12)		
590 23236.34(5)	17.0(8)		S- 3E-2B (1-0) Q4	618 23201.23(6)	382(2)	23201.26	
591 23235.17(3)	443.2(8)	23235.16		619 23200.69(8)	40(2)		S+ 3E-2B (1-0) P5
592 23234.01(4)	17.8(8)			620 23198.75(6)	41.6(9)	23198.76	
593 23232.51(3)	152.3(9)	23232.50					
594 23231.70(8)	13.3(15)		S- 3E-2B (3-3) Q1	621 23197.84(10)	8.4(9)		
595 23231.15(3)	104.3(16)	23231.16		622 23196.65(6)	452.6(10)	23196.66	S- 3E-2B (1-0) Q1
596 23230.07(7)	8.1(8)			623 23195.67(6)	43.7(9)	23195.63	
597 23228.34(3)	251.9(8)	23228.34		624 23194.51(8)	14.9(9)		
598 23226.88(4)	21.4(8)		S+ 3E-2B (1-0) P6	625 23192.17(6)	407.6(10)	23192.20	
599 23225.82(6)	11.6(8)			626 23189.71(8)	14.0(10)	23189.72	S+ 3E-2B (1-0) P4
600 23224.79(5)	20.7(9)			627 23188.37(13)	8.0(13)		
601 23223.85(7)	7.8(8)			628 23187.69(12)	8.9(12)		
602 23221.65(3)	104.8(10)	23221.65	S+ 3E-2B (1-0) R0	629 23186.17(6)	45.5(10)	23186.22	
603 23220.89(8)	9.9(10)			630 23182.52(6)	247.2(11)	23182.51	S+ 3E-2B (1-0) P3
604 23220.07(3)	79.4(9)	23220.04		631 23180.12(7)	37.0(10)	23180.16	
605 23217.47(5)	17.6(9)			632 23175.93(8)	26.0(13)	23175.85	
606 23216.64(6)	13.6(9)		S+ 3E-2B (3-3) P3 S- 3E-2B (1-0) Q3	633 23175.27(6)	83.8(13)	23175.36	
607 23215.43(3)	869.6(11)	23215.40		634 23173.27(11)	8.2(10)		
608 23214.44(5)	25.0(9)			635 23172.23(6)	50.7(10)	23172.17	S+ 3E-2B (1-0) P3
609 23213.65(4)	24.3(9)			636 23171.36(7)	23.2(10)	23171.32	
				637 23169.87(12)	6.0(10)		
				638 23168.68(6)	405.9(12)	23168.66	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
639 23167.49(8)	17.5(10)	<b>T+ 5c-2a (0-1) R2</b> S+ GK-2B (7-3) R2	668 23128.87(11)	5.2(6)	<b>T+ 4c-2a (4-3) R1</b>
640 23166.04(6)	94.8(10)		669 23126.23(6)	63.3(6)	
641 23163.77(8)	18.1(10)		670 23124.77(9)	8.0(6)	
642 23162.73(6)	135(3)		671 23123.51(6)	75.5(7)	
643 23162.27(7)	62(3)		672 23122.56(8)	15.0(6)	
644 23160.93(8)	14.2(10)	<b>S+ GK-2B (7-3) R1</b>	673 23121.48(7)	31.1(6)	<b>T+ 5c-2a (0-1) R0</b>
645 23159.83(6)	146.4(11)		674 23119.43(9)	7.8(7)	
646 23157.97(7)	36.9(7)		675 23117.89(9)	8.3(7)	
647 23156.98(7)	29.3(7)		676 23116.84(8)	16.4(8)	
648 23155.85(11)	9.9(9)		677 23116.03(9)	16.1(9)	
649 23154.94(8)	32.3(11)	<b>T+ 4c-2a (4-3) R4</b>	678 23115.32(9)	13.0(9)	<b>S- 3F-2B (3-4) Q5</b>
650 23154.19(9)	18.7(12)		679 23114.08(6)	183.9(8)	
651 23152.98(6)	123.2(8)		680 23112.83(9)	9.8(7)	
652 23151.76(9)	12.4(7)		681 23111.71(8)	16.0(7)	
653 23150.45(7)	36.7(7)		682 23110.56(9)	9.3(7)	
654 23149.40(7)	25.3(7)	<b>T+ 4c-2a (4-3) R3</b>	683 23109.50(6)	94.6(11)	<b>S+ GK-2B (7-3) P2</b>
655 23148.23(10)	9.3(7)		684 23108.85(7)	53.6(10)	
656 23146.82(6)	45.0(7)		685 23108.14(6)	108.7(10)	
657 23145.68(9)	13.0(8)		686 23105.74(6)	91.5(7)	
658 23144.79(8)	19.1(8)		687 23104.69(6)	46.5(7)	<b>S 3A-2B (2-3) R2</b>
659 23143.45(6)	68.9(7)	<b>T+ 4c-2a (4-3) R2</b> S+ EF-2B (32-1) P5	688 23103.78(6)	63.9(7)	
660 23142.01(6)	60.0(7)		689 23102.69(9)	10.0(7)	
661 23140.63(8)	14.8(7)		690 23101.66(7)	29.7(7)	
662 23139.11(7)	32.8(6)		691 23099.71(10)	7.6(8)	
663 23133.83(10)	13.3(12)	<b>S- 3E-2B (5-6) Q4</b>	692 23098.88(7)	36.6(9)	<b>T+ 4c-2a (4-3) R0</b>
664 23133.21(7)	37.7(11)		693 23098.16(10)	9.8(9)	
665 23132.36(6)	66.8(8)		694 23097.08(6)	183.3(8)	
666 23131.23(10)	6.9(6)		695 23095.46(9)	10.0(7)	
667 23129.97(8)	14.8(6)		696 23094.04(8)	14.6(7)	
			697 23093.11(9)	10.2(7)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
698 23092.01(7)	29.2(8) 23092.01	S- 3E-2B (5-6) Q2	728 23054.47(5)	49.6(10) 23054.57	T- 4c-2a (4-3) Q3
699 23090.28(8)	18.0(7)		729 23053.06(7)	16.1(10)	
700 23088.75(6)	51.6(8) 23088.74		730 23051.62(7)	19.6(10) 23051.61	
701 23087.67(6)	85.0(10) 23087.70		731 23048.92(10)	8.7(10)	
702 23086.80(10)	12.9(10)		732 23047.02(5)	36.9(10) 23046.98	
703 23085.49(7)	50.5(8) 23085.50		733 23045.84(6)	25.1(10)	
704 23084.45(10)	21.9(15)		734 23043.85(7)	18.8(11) 23043.83	
705 23083.75(10)	19.5(16)		735 23042.74(8)	13.7(11)	
706 23082.61(10)	11.9(8)		736 23041.35(7)	21.3(12)	
707 23081.40(6)	65.9(8) 23081.42		737 23040.34(6)	65.8(19)	
708 23080.28(7)	44.5(8) 23080.33	S- 3E-2B (5-6) Q1	738 23039.40(6)	389(45)	T+ 5c-2a (1-2) R4 S- 3E-2B (2-2) Q9
709 23078.87(8)	16.2(8)		739 23038.78(5)	1583(45) 23038.81	
710 23077.71(9)	13.1(8)		740 23037.74(7)	89(5)	
711 23076.55(8)	20.3(8)		741 23036.80(6)	37.1(15)	
712 23075.01(6)	65.3(8) 23075.07		742 23035.43(7)	16.2(10)	
713 23073.98(8)	16.9(8)		743 23034.14(7)	15.9(10)	
714 23072.83(9)	14.2(8)		744 23032.55(4)	92.1(11) 23032.57	
715 23071.63(5)	176.1(11) 23071.65		745 23030.17(5)	45.1(11) 23030.14	
716 23071.01(6)	23.6(11)		746 23029.04(9)	14.6(11)	
717 23069.92(8)	8.4(8)		747 23027.93(5)	61.9(15) 23027.91	
718 23069.28(7)	11.9(8)	T- 4c-2a (4-3) Q1	748 23027.10(8)	20.2(16)	T- 4c-2a (4-3) Q4  S+ 3F-2B (3-4) R1 T+ 5c-2a (1-2) R3 T- 5c-2a (0-1) Q6
719 23067.50(6)	9.8(6)		749 23025.53(7)	11.3(8)	
720 23066.42(10)	5.0(6)		750 23024.67(6)	14.9(8)	
721 23065.63(8)	6.1(6)		751 23023.65(6)	15.6(7)	
722 23064.13(8)	5.9(6)				
723 23062.42(7)	6.9(6)		752 23021.67(6)	14.1(7)	
724 23061.38(4)	49.0(6) 23061.40		753 23020.56(7)	13.7(8)	
725 23059.91(4)	299.2(7) 23059.93		754 23019.77(9)	8.1(8)	
726 23057.15(6)	9.4(6)		755 23018.69(7)	11.6(7)	
727 23055.92(8)	15.3(10)		756 23017.55(4)	46.4(7) 23017.54	
		T- 4c-2a (4-3) Q2			S+ EF-2B (29-0) R2

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
757 23016.46(5)	23.0(7) 23016.43		786 22988.07(10)	10.1(11)	
758 23015.50(6)	15.7(7)		787 22986.77(7)	36.3(11) 22986.79	
759 23014.35(7)	9.3(7)		788 22985.78(10)	9.8(11)	S 3A-2B (2-3) P3
760 23013.31(6)	17.4(7)		789 22984.23(9)	12.5(11)	
761 23012.30(7)	10.4(7)		790 22983.39(7)	31.1(11) 22983.50	
762 23011.26(5)	23.4(8)		791 22982.31(6)	101.6(11) 22982.26	
763 23010.34(4)	165.4(9) 23010.31		792 22980.69(8)	19.7(11) 22980.61	
764 23009.14(7)	13.1(9)		793 22978.68(8)	18.9(11) 22978.78	
765 23008.40(5)	48.9(9) 23008.34		794 22977.40(9)	12.8(12)	
766 23007.36(5)	39.4(7) 23007.37		795 22976.61(10)	11.6(12)	
767 23006.34(6)	17.1(7)		796 22975.77(6)	62.5(12) 22975.76	S+ 3F-2B (3-4) P5 S 3A-2B (2-3) P5 <b>T- 4c-2a (4-3) Q6</b>
768 23005.29(7)	10.6(7)		797 22974.99(10)	10.3(12)	
769 23004.21(5)	39.1(7)	<b>T- 4c-2a (4-3) Q5</b>	798 22972.73(9)	14.2(13)	
770 23003.23(5)	63.6(7) 23003.28	<b>T+ 5c-2a (1-2) R2</b>	799 22972.02(8)	24.0(13)	<b>T+ 4c-2a (4-3) P3</b>
		S 3A-2B (3-5) R6	800 22970.69(6)	212.4(12) 22970.67	S- 3E-2B (4-5) Q8 S+ EF-2B (29-0) R4
771 23002.22(8)	8.8(6)		801 22969.82(9)	17.0(13)	
772 23001.23(9)	6.2(6)		802 22969.14(10)	12.5(13)	
773 23000.02(8)	11.9(6)		803 22967.90(9)	13.3(11)	
774 22999.15(11)	6.9(7)		804 22966.92(5)	917.8(14) 22966.89	
775 22998.44(9)	9.9(7)		805 22965.84(8)	18.6(11)	
776 22997.29(9)	7.2(6)		806 22964.90(9)	13.4(11)	
777 22995.93(6)	132.5(6) 22995.94	S+ EF-2B (29-0) R3	807 22962.70(7)	26.8(11) 22962.68	
778 22994.79(8)	11.0(6)		808 22961.79(11)	8.7(11)	
779 22993.89(10)	6.8(6)		809 22960.60(10)	10.0(11)	
780 22992.94(8)	12.3(6)		810 22959.76(12)	7.4(11)	
781 22991.96(6)	413(7) 22992.02		811 22958.53(10)	9.3(10)	
782 22991.50(6)	262(8) 22991.53		812 22957.31(7)	28.9(10) 22957.24	
783 22990.63(11)	11.3(8)		813 22956.11(7)	20.0(10)	
784 22989.94(10)	12.5(8)	S- 3F-2B (3-4) Q2	814 22954.79(9)	13.5(10)	
785 22989.24(9)	10.2(8)				

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
815 22953.89(7)	30.5(10)		845 22924.32(12)	7.0(8)	
816 22952.71(6)	52.6(10)		846 22923.22(10)	10.9(8)	
817 22951.66(8)	21.7(10)		847 22922.26(9)	13.5(8)	
818 22950.78(8)	40(2)		848 22921.19(10)	24.5(18)	
819 22950.22(8)	43(2)		849 22920.61(8)	82.2(16)	22920.54
820 22949.48(8)	25.3(13)		850 22920.06(11)	19(2)	
821 22948.45(5)	443.3(11)		851 22919.08(9)	20.8(8)	22919.01
822 22947.12(7)	20.3(10)		852 22918.25(12)	7.3(8)	
823 22946.01(9)	12.6(10)		853 22916.58(8)	25.0(8)	22916.69
824 22944.69(8)	32.1(10)		854 22915.25(7)	154.9(8)	22915.23
825 22943.96(9)	17.0(11)		855 22914.35(10)	15.1(9)	
826 22943.11(7)	61.8(9)		856 22913.55(10)	19.6(9)	
827 22942.19(9)	19.2(8)		857 22912.74(9)	59(3)	22912.76
828 22941.25(8)	62.9(9)		858 22912.25(9)	44(2)	22912.30
829 22940.50(7)	421.3(11)		859 22911.51(11)	10.2(11)	
830 22939.33(9)	14.5(8)		860 22909.58(8)	30.2(8)	22909.58
831 22938.34(8)	23.2(8)		861 22908.76(9)	19.4(9)	
832 22937.39(8)	26.0(8)		862 22907.88(8)	31.5(9)	22907.95
833 22936.28(9)	16.7(8)		863 22907.12(10)	17.0(9)	
834 22935.22(11)	10.6(8)		864 22906.31(9)	30.9(13)	22906.34
835 22934.41(9)	19.1(8)		865 22905.70(8)	46.2(13)	22905.55
836 22933.37(8)	25.0(8)		866 22904.92(8)	35.5(9)	22904.90
837 22932.26(7)	188.9(8)		867 22903.54(7)	81.2(10)	22903.49
838 22931.05(9)	18.3(8)		868 22902.83(9)	27.6(10)	22902.86
839 22930.20(9)	22.8(8)		869 22901.98(8)	30.2(9)	
840 22929.25(8)	44.7(8)		870 22901.13(7)	789.8(11)	22901.04
841 22928.40(10)	12.4(8)				
842 22927.53(10)	15.2(9)		871 22900.04(9)	18.3(8)	
843 22926.72(10)	19.1(9)		872 22899.19(11)	10.9(8)	
844 22926.01(9)	24.6(10)		873 22898.27(11)	12.6(9)	

S- 3E-2B (4-5) Q7

**T- 5c-2a (1-2) Q2**  
S+ GK-2B (3-0) R4

**T- 4f-2c (0-0) R3****T- 5c-2a (1-2) Q3**

S+ GK-2B (8-4) P1

T+ 5c-2a (0-1) P5  
S+ GK-2B (3-0) R3

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
874 22897.51(9)	28.8(13)		903 22872.22(8)	20.0(8)	22872.31
875 22896.90(7)	354.3(14)	22896.86	904 22871.57(12)	7.3(8)	
876 22896.05(9)	21.9(9)		905 22870.56(8)	17.6(6)	22870.47
877 22895.01(10)	10.7(8)		906 22869.28(11)	6.8(7)	
878 22894.04(9)	13.9(8)		907 22868.45(11)	9.1(8)	
879 22892.90(7)	455.0(9)	22892.86	908 22867.76(8)	24.8(8)	22867.82
880 22891.86(9)	16.5(9)		909 22866.61(8)	14.7(6)	22866.68
881 22891.07(7)	73.9(9)	22891.09	910 22864.94(8)	20.7(8)	22864.90
882 22890.08(10)	14.4(9)		911 22864.24(7)	60.9(7)	22864.24
883 22889.29(7)	119.8(10)	22889.25	912 22863.41(8)	24.2(7)	22863.40
884 22888.52(9)	31.2(13)	22888.56	913 22862.54(11)	7.2(6)	
885 22887.89(11)	20.2(13)		914 22861.49(10)	6.9(6)	
886 22887.15(10)	14.0(10)		915 22860.03(7)	65.3(12)	22859.98
887 22886.19(7)	107.6(8)	22886.21	916 22859.47(8)	45.7(11)	22859.51
888 22885.15(10)	11.9(9)		917 22858.58(7)	40.1(7)	22858.62
889 22884.39(8)	30.1(9)	22884.46	918 22857.78(12)	8.5(8)	22857.83
890 22883.27(9)	15.7(8)		919 22857.09(7)	47.4(8)	22857.11
891 22882.36(8)	39.7(13)	22882.25	920 22856.18(15)	11(3)	22856.35
892 22881.75(7)	97.4(13)	22881.68	921 22855.79(10)	27(3)	22855.84
893 22880.76(9)	23.7(10)		922 22854.24(7)	133.7(6)	22854.25
894 22880.02(11)	14.1(10)		923 22853.12(7)	230.9(7)	22853.12
895 22879.18(7)	50.5(8)	22879.10	924 22851.71(10)	9.1(6)	
896 22878.33(11)	8.5(7)		925 22850.79(9)	13.3(7)	
897 22877.48(8)	62(4)	22877.57	926 22849.98(9)	10.7(7)	
898 22877.08(9)	46(4)	22877.08	927 22848.92(7)	156.8(7)	22848.92
899 22876.16(7)	167.1(7)	22876.19	928 22848.03(11)	8.0(7)	
900 22875.09(7)	308.4(7)	22875.10	929 22847.20(10)	8.6(7)	
901 22874.11(11)	7.6(6)		930 22846.34(8)	28.3(6)	22846.30
902 22873.21(9)	13.9(6)	22873.27	931 22845.12(10)	10.2(7)	
			932 22844.34(10)	8.7(7)	

S- 3F-2B (1-1) Q5

**T+ 5c-2a (2-3) R3****T- 4f-2c (0-0) R2**

S+ GK-2B (8-4) P3

**T+ 4e-2c (0-0) R6**

S+ GK-2B (3-0) P1

S- 3E-2B (2-2) Q5

S 3A-2B (3-5) R3

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
933 22843.42(7)	44.8(8) 22843.36	S+ 3E-2B (2-2) R1	962 22816.02(11)	8.9(7)	T+ 4e-2c (0-0) R4
934 22842.74(7)	64.2(8) 22842.69		963 22815.14(7)	80.5(7) 22815.12	
935 22841.96(13)	5.0(7)		964 22814.26(9)	15.1(7)	
936 22840.63(8)	34.7(13) 22840.60	S- 3E-2B (4-5) Q5	965 22813.32(8)	24.7(7) 22813.43	T- 4f-2c (0-0) Q5
937 22840.10(7)	83.8(13) 22840.08		966 22812.29(7)	167.6(9) 22812.27	
938 22839.03(10)	9.2(7)		967 22811.50(9)	21.3(8)	
939 22838.30(9)	14.2(7)	T+ 4e-2c (0-0) R5	968 22810.45(12)	7.0(6)	S+ GK-2B (4-1) R1 S- 3E-2B (4-5) Q4
940 22837.16(7)	105.5(6) 22837.08		969 22809.41(6)	150.3(9) 22809.39	
941 22835.23(8)	19.8(6)		970 22808.09(8)	17.7(8) 22808.16	
942 22834.32(11)	6.9(6)	T+ 4c-2a (5-4) R0	971 22806.97(9)	13.2(9)	T- 4f-2c (0-0) R1
943 22833.40(8)	34.2(10) 22833.43		972 22806.16(7)	65.3(9)	
944 22832.80(10)	11.3(10)		973 22804.98(10)	9.1(8)	
945 22831.58(8)	77(5) 22831.57	T+ 4c-2a (4-3) P6 S+ GK-2B (8-4) P4	974 22804.05(8)	24.7(8)	T- 4c-2a (5-4) Q1 S 3A-2B (3-5) R2
946 22831.23(10)	30(5) 22831.21		975 22803.00(7)	25.0(8) 22803.08	
947 22829.86(9)	19.0(9) 22829.88		976 22801.83(7)	29.9(8)	
948 22829.14(13)	9.9(9)	S+ GK-2B (3-0) P2	977 22800.44(6)	215.0(9) 22800.48	S- 3E-2B (2-2) Q3
949 22828.34(12)	7.9(8)		978 22799.20(7)	38.4(8) 22799.29	
950 22827.16(7)	99.9(6) 22827.14		979 22797.70(10)	9.0(8)	
951 22826.09(7)	98(2) 22825.91	S- 3E-2B (4-6) R3 S+ GK-2B (4-1) R0	980 22796.68(7)	55.4(9) 22796.66	S+ 3F-2B (4-6) R3 S+ GK-2B (4-1) R0
952 22825.51(10)	26.5(18)		981 22795.79(9)	14.0(9) 22795.79	
953 22824.74(7)	82.2(10) 22824.77		982 22794.75(6)	219.9(11) 22794.82	
954 22823.61(8)	134(5) 22823.58	S- 3E-2B (2-2) Q4 S+ GK-2B (4-1) R2	983 22793.95(10)	18.1(11)	S+ GK-2B (3-0) P3
955 22823.18(8)	79(5) 22823.31		984 22793.17(9)	21.1(12)	
956 22822.31(13)	7.6(8)		985 22792.48(8)	23.6(13)	
957 22821.38(8)	18.1(6) 22821.39	S+ EF-2B (29-0) P5 T+ 5c-2a (2-3) R1	986 22791.25(6)	229.2(9) 22791.21	T- 4f-2c (0-0) Q4 T+ 4e-2c (0-0) R3
958 22819.89(7)	69.3(7) 22819.83		987 22789.16(7)	35.0(9) 22789.16	
959 22818.96(9)	15.6(6) 22819.09		988 22788.04(7)	50.8(10) 22788.12	
960 22817.85(10)	10.8(7)				
961 22816.99(12)	7.2(7)				



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
989 22787.20(9)	21.6(10)	S+ 3E-2B (4-5) R0  <b>T+ 5c-2a (1-2) P4</b> S- 3E-2B (4-5) Q3 S- 3E-2B (2-2) Q2	1018 22757.39(9)	12.0(8)	22757.37
990 22786.37(8)	43.4(12)		1019 22756.32(9)	12.7(8)	22756.31
991 22785.64(9)	26.2(14)		1020 22755.16(7)	84(4)	22755.15
992 22785.00(7)	96.6(16)		1021 22754.70(8)	69(4)	22754.58
993 22783.44(6)	83.7(9)		1022 22753.75(7)	55.3(14)	22753.78
994 22782.34(6)	105.7(9)	<b>T- 4c-2a (5-4) Q3</b>  S+ 3E-2B (2-2) P5	1023 22753.07(14)	12.2(13)	
995 22781.15(7)	41.3(10)		1024 22752.32(12)	9.3(11)	
996 22780.33(7)	42.7(10)		1025 22751.27(6)	90.9(8)	22751.27
997 22779.40(9)	12.6(9)		1026 22749.71(7)	23.2(8)	22749.67
998 22778.28(6)	103.5(9)		1027 22748.54(6)	90.5(8)	22748.58
999 22776.77(8)	24.9(14)	<b>T+ 4c-2a (5-4) P2</b> S+ 3E-2B (2-2) P2 <b>T- 4f-2c (0-0) Q2</b>	1028 22746.82(9)	9.0(8)	
1000 22776.09(9)	32.3(18)		1029 22745.92(8)	14.8(9)	
1001 22775.51(8)	55(2)		1030 22745.17(5)	102.4(9)	22745.15
1002 22774.56(8)	21.6(9)				
1003 22773.26(7)	41.0(9)		1031 22743.83(5)	72.8(7)	22743.84
1004 22772.34(6)	101.8(9)	S- 3E-2B (2-2) Q1	1032 22742.75(5)	62.2(7)	22742.73
1005 22771.05(12)	8.1(11)		1033 22741.70(5)	153.7(8)	22741.73
1006 22770.27(10)	27.5(19)		1034 22740.73(7)	18.0(7)	
1007 22769.68(9)	34.1(19)		1035 22739.70(5)	44.2(7)	22739.71
1008 22768.87(6)	220.9(11)		1036 22738.57(9)	14.0(15)	
1009 22767.64(8)	22.6(9)	<b>T- 4f-2c (0-0) Q3</b>  <b>T- 5c-2a (2-3) Q4</b> S+ GK-2B (4-1) P2 <b>T- 4c-2a (5-4) Q5</b>	1037 22738.00(6)	55.9(15)	22737.96
1010 22766.56(6)	143.8(9)		1038 22736.93(7)	14.5(7)	
			1039 22735.96(5)	148.1(8)	22735.99
			1040 22735.14(6)	35.7(8)	22735.15
			1041 22734.07(8)	10.9(7)	
1011 22765.22(7)	80(3)	<b>T- 5c-2a (2-3) Q1</b> S- 3E-2B (4-5) Q2 <b>T+ 4e-2c (0-0) R2</b>	1042 22732.75(7)	16.3(8)	
1012 22764.72(12)	16(2)		1043 22731.99(8)	12.3(8)	
1013 22763.72(6)	135.2(9)		1044 22730.97(6)	40.3(8)	22730.96
1014 22762.56(8)	29.7(10)		1045 22730.14(7)	67(4)	
1015 22761.76(6)	86.0(10)		1046 22729.63(6)	132(3)	
1016 22760.27(6)	91.0(8)	S+ GK-2B (4-1) P1 S+ GK-2B (3-0) P4 S+ EF-2B (29-0) P6			
1017 22759.09(8)	19.0(8)				

S- 3E-2B (4-5) Q1

**T- 5c-2a (2-3) Q3**  
S+ 3E-2B (2-2) P3  
S 3A-2B (3-5) R0**T+ 4c-2a (5-4) P2**  
S+ 3E-2B (2-2) P2  
**T- 4f-2c (0-0) Q2****T- 5c-2a (2-3) Q4**  
S+ GK-2B (4-1) P2  
**T- 4c-2a (5-4) Q5**S+ 3E-2B (4-5) P2  
**T+ 4e-2c (0-0) R1**

S+ 3E-2B (4-5) P3

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1047 22729.18(7)	45(5)		1077 22697.16(9)	18.6(18)	
1048 22727.30(6)	23.0(9)		1078 22695.99(10)	9.6(10)	S- 3F-2B (4-6) Q3
1049 22726.47(6)	202(11)	S+ GK-2B (3-0) P5	1079 22694.78(7)	22.9(10)	S- 3F-2B (2-3) Q7
1050 22726.16(7)	75(11)		1080 22693.45(7)	38(2)	
1051 22725.16(5)	40.0(7)		1081 22692.83(10)	19(2)	S+ GK-2B (3-0) P7
1052 22724.14(9)	8.9(7)		1082 22691.63(6)	29.1(8)	S+ GK-2B (4-1) P4
1053 22723.31(8)	11.4(7)		1083 22690.66(5)	94.5(8)	
1054 22722.29(5)	57.6(7)		1084 22689.32(10)	3.9(6)	
1055 22721.34(6)	28.9(7)		1085 22688.19(4)	51.4(7)	
1056 22720.42(10)	6.2(7)		1086 22687.49(6)	14.8(7)	
1057 22718.87(5)	120.1(7)		1087 22685.77(6)	12.4(6)	
1058 22717.57(6)	34.2(8)		1088 22684.55(7)	8.0(6)	
1059 22716.77(7)	18.7(9)		1089 22683.73(6)	13.5(6)	
1060 22716.10(10)	7.8(10)		1090 22680.57(6)	12.8(6)	
1061 22714.78(5)	186.5(7)	S+ GK-2B (4-1) P3	1091 22679.60(4)	137.9(6)	
1062 22713.44(7)	11.9(7)		1092 22678.65(5)	35.5(6)	
1063 22712.62(5)	42.5(7)		1093 22677.76(6)	20.9(9)	
1064 22711.60(7)	12.8(7)		1094 22677.13(7)	13.0(9)	
1065 22710.61(5)	46.0(7)	<b>T- 4c-2a (5-4) Q6</b>	1095 22676.10(8)	6.4(6)	<b>T+ 4e-2c (0-0) Q2</b>
1066 22709.58(6)	74(3)	T+ 4c-2a (5-4) P3	1096 22674.93(4)	112.3(6)	<b>T+ 4e-2c (0-0) Q3</b>
1067 22709.13(5)	241(3)		1097 22673.99(5)	79(2)	
1068 22707.82(6)	25.8(7)	S+ 3F-2B (1-1) P5	1098 22673.53(4)	195(2)	
1069 22706.79(5)	34.9(7)		1099 22672.51(4)	158.2(7)	
1070 22705.67(5)	34.9(7)		1100 22671.73(6)	17.5(7)	
1071 22704.67(8)	10.7(7)		1101 22670.72(4)	62.5(11)	T+ 5c-2a (2-3) P3
1072 22703.65(6)	38.8(8)	S+ GK-2B (3-0) P6	1102 22670.06(4)	254.0(11)	<b>T+ 4e-2c (0-0) Q4</b>
1073 22702.94(6)	54.8(16)	T+ 5c-2a (1-2) P6	1103 22668.89(7)	12.0(8)	
1074 22701.26(8)	12.3(10)		1104 22667.99(4)	47.0(8)	
1075 22699.95(5)	88.0(10)		1105 22666.87(6)	17.9(8)	
1076 22697.86(5)	228(2)		1106 22665.74(5)	35.1(8)	<b>T+ 4c-2a (5-4) P4</b>

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1107 22664.54(4)	136.0(8)	22664.54	T+ 4e-2c (0-0) Q5	1133 22638.05(4)	73.3(10)	22638.04	<b>T- 4e-2c (0-0) R5</b>
1108 22662.95(6)	13.4(7)			1134 22637.00(4)	114.5(9)	22637.02	
1109 22661.50(6)	16.4(8)			1135 22635.76(4)	157.4(9)	22635.80	
1110 22660.37(4)	237.2(8)	22660.39		1136 22634.68(4)	188.8(12)	22634.67	
1111 22659.35(6)	14.1(8)			1137 22633.98(5)	67.4(12)		
1112 22658.33(8)	12.1(11)		S+ GK-2B (9-5) R1 <b>T+ 4e-2c (0-0) Q6</b>	1138 22632.80(4)	165.9(9)	22632.81	<b>T- 4e-2c (0-0) R6</b>
1113 22657.61(4)	304.4(15)			1139 22631.84(6)	24.7(9)		
1114 22657.03(6)	23.6(16)			1140 22630.90(5)	44.4(9)	22631.00	
1115 22655.24(4)	107.6(8)	22655.31		1141 22629.67(5)	60.7(11)	22629.65	
1116 22653.97(4)	106.7(8)	22653.95		1142 22628.91(4)	121.5(11)	22628.92	
1117 22652.27(4)	86.7(8)	22652.22	S+ GK-2B (9-5) R3	1143 22628.12(5)	62.7(12)		S+ GK-2B (9-5) P1 <b>T- 4e-2c (0-0) Q1</b>
1118 22651.48(4)	57.0(8)	22651.50	<b>T- 4f-2c (0-0) P3</b>	1144 22627.38(4)	366.5(13)	22627.35	
1119 22650.48(4)	135.3(8)	22650.49	S+ GK-2B (5-2) R4	1145 22626.48(5)	30.4(9)	22626.41	
			S+ 3F-2B (4-6) P5	1146 22625.42(4)	77.6(9)	22625.43	
			<b>T- 4e-2c (0-0) R1</b>	1147 22624.4(3)	2.7(14)		
1120 22649.30(4)	226.0(8)	22649.30	S+ 3E-2B (1-1) R6	1148 22623.70(4)	237(2)	22623.70	S+ GK-2B (9-5) P5 <b>T- 4e-2c (0-0) Q1</b>
1121 22648.17(4)	348(3)	22648.18	<b>T+ 4e-2c (0-0) Q7</b>	1149 22622.11(6)	16.3(9)	22622.12	
1122 22647.70(5)	137(3)	22647.65	<b>T- 4e-2c (0-0) R2</b>				
1123 22647.00(5)	36.9(12)		<b>T- 4f-2c (0-0) P4</b>	1150 22621.13(7)	24.1(17)	22621.09	
1124 22646.11(4)	95.3(8)	22646.09	S+ GK-2B (9-5) R4	1151 22620.53(7)	24.2(18)		
1125 22645.16(4)	209.5(8)	22645.14	<b>T- 4e-2c (0-0) R3</b>	1152 22619.39(6)	70.5(15)	22619.29	T+ 4c-2a (5-4) P5 S- 3F-2B (2-3) Q6
1126 22644.26(8)	10.6(8)						
1127 22643.37(5)	34.3(11)			1153 22618.72(5)	205.1(14)	22618.78	
1128 22642.66(5)	56.6(13)	22642.64		1154 22617.92(12)	8.7(12)		
1129 22642.07(7)	21.1(16)			1155 22616.96(6)	174.9(11)	22617.07	
1130 22640.69(4)	489.1(10)	22640.65	<b>T- 4f-2c (0-0) P5</b>	1156 22615.70(8)	16.6(10)		T- 5c-2a (3-4) Q1
			<b>T- 4e-2c (0-0) R4</b>	1157 22614.29(8)	23.1(12)		
1131 22639.77(4)	208.4(9)	22639.84		1158 22613.55(6)	134.5(12)	22613.54	
1132 22638.82(6)	27.7(10)			1159 22612.67(6)	137.0(13)	22612.71	
				1160 22611.95(13)	9.0(13)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1161 22611.08(10)	14.3(11)	22611.05	<b>T- 5c-2a (3-4) Q2</b>	1191 22582.99(9)	10.1(7)		S+ 3E-2B (1-1) R5
1162 22610.14(7)	42.7(10)			1192 22581.65(6)	220(2)		
1163 22608.81(6)	330.9(14)	22608.81		1193 22581.20(8)	36(2)		
1164 22608.12(6)	112.8(13)	22608.11		1194 22580.02(9)	11.5(8)		
1165 22606.99(7)	49.8(10)	22606.99		1195 22579.34(9)	10.8(8)		
1166 22606.01(6)	204.1(7)	22606.04	S+ GK-2B (5-2) R3	1196 22578.45(6)	86.5(8)	22578.43	S+ 3E-2B (1-1) R5
1167 22603.65(6)	85.5(8)	22603.69		1197 22577.43(7)	21.1(7)	22577.33	
1168 22602.92(8)	18.9(9)	22602.99	<b>T- 5c-2a (3-4) Q3</b>	1198 22576.60(9)	8.4(7)		S+ GK-2B (9-5) P3
1169 22602.17(8)	55(3)	22602.15		1199 22575.50(7)	31.8(7)	22575.55	
1170 22601.74(9)	23(3)	22601.70		1200 22574.29(12)	7.3(9)		
1171 22599.79(7)	162(12)	22599.76		1201 22573.53(8)	26.3(9)	22573.46	
1172 22599.53(9)	49(12)			1202 22572.60(6)	202.5(11)	22572.62	
1173 22598.22(11)	7.3(8)			1203 22571.12(6)	120(3)	22571.16	
1174 22597.49(7)	77.6(11)	22597.50		1204 22570.67(7)	112(3)	22570.70	
1175 22596.84(6)	260.5(18)	22596.88		1205 22569.49(7)	53.4(9)	22569.43	
1176 22596.30(11)	18.1(18)	22596.30		1206 22568.66(9)	25(2)	22568.53	
1177 22595.65(6)	77.3(11)	22595.66		1207 22568.12(10)	19(2)	22568.01	
1178 22594.68(10)	7.5(7)		S+ GK-2B (5-2) R2	1208 22567.04(7)	61.0(11)	22567.01	S- 3E-2B (3-4) Q8
1179 22593.91(6)	102.0(8)	22593.92		1209 22566.39(6)	111.6(11)	22566.36	
1180 22593.06(9)	9.2(7)			1210 22565.22(8)	16.0(7)	22565.33	
1181 22592.17(6)	83.1(7)	22592.09		1211 22563.92(6)	75.1(7)	22563.90	
1182 22590.71(6)	128.0(11)	22590.75		1212 22562.24(6)	123.5(11)		
1183 22590.10(6)	141.2(10)	22590.14	<b>T- 5c-2a (3-4) Q4</b>	1213 22561.50(7)	76.0(16)		S+ GK-2B (5-2) R0
1184 22589.34(7)	113(2)		S+ GK-2B (5-2) R1	1214 22560.87(8)	44.2(15)		
1185 22588.90(8)	28(3)		<b>T- 4e-2c (0-0) Q2</b>	1215 22560.25(7)	44.1(17)		
1186 22586.59(9)	28(3)			1216 22558.87(8)	8.6(7)		
1187 22586.18(17)	9(3)			1217 22557.91(5)	92.2(13)	22557.94	
1188 22585.28(8)	41(3)	22585.31		1218 22557.28(5)	69.8(12)		
1189 22584.85(6)	115(3)	22584.78		1219 22556.57(5)	281.0(14)	22556.52	
1190 22583.79(6)	262.3(8)	22583.79	<b>T+ 4e-2c (0-0) P3</b>	1220 22555.91(5)	122.2(12)	22555.94	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1221 22555.29(8)	14.0(14)		1251 22527.03(4)	361.3(12)	22527.04
1222 22553.94(4)	353.9(19)		1252 22526.14(5)	85.6(16)	S+ GK-2B (2-0) R0
1223 22553.26(10)	28(3)		1253 22525.55(4)	362.6(16)	22525.52
1224 22552.77(7)	53(3)	<b>T+ 4e-2c (0-0) P4</b>	1254 22524.61(5)	218(2)	22524.61
1225 22552.05(5)	132.7(15)		1255 22524.09(7)	29(2)	<b>T- 4e-2c (0-0) Q4</b>
1226 22551.5(2)	3.9(19)	<b>T+ 5c-2a (2-3) P6</b>	1256 22522.86(9)	8.4(9)	
1227 22550.59(4)	215.6(9)		1257 22521.86(5)	466(6)	22521.85
1228 22549.47(5)	78(4)		1258 22521.44(5)	166(5)	22521.47
1229 22549.04(6)	59(3)		1259 22520.77(7)	23.9(16)	
1230 22548.17(9)	7.7(8)		1260 22519.79(7)	17.4(9)	<b>T+ 4e-2c (0-0) P5</b>
1231 22546.57(5)	96.8(7)		1261 22518.87(8)	9.5(9)	
1232 22545.52(4)	234.3(9)		1262 22517.44(6)	32.1(14)	S- 3E-2B (3-4) Q7
1233 22544.24(5)	44.3(8)		1263 22516.73(7)	72(6)	22516.73
1234 22543.37(5)	149.4(13)		1264 22516.33(5)	179(6)	22516.31
1235 22542.76(10)	10.9(13)	S 4D-2B (0-5) R3	1265 22515.46(11)	6.2(10)	
1236 22541.72(7)	22.8(15)	S 4D-2B (0-5) R0	1266 22514.06(5)	89.4(7)	22514.05
1237 22541.15(7)	25.0(16)	S+ GK-2B (9-5) P4	1267 22512.54(6)	20.9(7)	22512.50
1238 22539.86(4)	160.6(10)		1268 22511.35(7)	15.6(8)	
1239 22538.99(6)	64(3)		1269 22510.56(6)	16.2(8)	
1240 22538.55(5)	81(4)		1270 22509.18(4)	328.3(9)	22509.16
1241 22537.37(5)	95.0(9)		1271 22508.20(5)	166.7(13)	22508.19
1242 22536.15(5)	78.7(9)	S+ GK-2B (2-0) R3	1272 22507.56(8)	18.1(12)	
1243 22535.17(4)	194.6(9)	S+ GK-2B (2-0) R1	1273 22506.76(7)	15.7(8)	
1244 22534.15(5)	119.9(9)		1274 22505.88(6)	16.2(7)	
1245 22533.23(7)	15.7(9)	S 4D-2B (0-5) R1	1275 22504.58(5)	86.0(9)	22504.60
1246 22532.18(4)	135.9(9)		1276 22503.81(8)	30(2)	S+ GK-2B (9-5) P5
1247 22530.86(9)	16(3)		1277 22503.28(6)	70(2)	22503.28
1248 22530.38(8)	20(3)	S+ GK-2B (5-2) P2	1278 22502.52(5)	135.9(11)	22502.53
1249 22528.48(10)	9.3(12)		1279 22501.89(5)	57.1(13)	<b>T- 4c-2a (6-5) Q4</b>
1250 22527.78(5)	161.8(11)		1280 22500.48(5)	132.7(14)	22500.48

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1281 22499.90(6)	27.3(14)		1310 22471.17(8)	10.9(7)	
1282 22498.73(5)	82.0(14)		1311 22469.69(6)	94.6(7)	22469.70
1283 22498.10(5)	151.1(13)		1312 22467.77(6)	47.4(11)	22467.83
1284 22497.47(7)	29.5(14)		1313 22467.09(8)	26.2(11)	22467.03
1285 22496.81(5)	43.1(12)		1314 22466.45(6)	93.5(12)	22466.49
1286 22495.70(11)	8.1(9)		1315 22465.54(6)	145.9(8)	22465.51
1287 22494.82(7)	18.9(9)		1316 22464.30(9)	22(3)	
1288 22493.38(7)	23.1(10)		1317 22463.83(6)	122(3)	22463.78
1289 22492.22(6)	134.5(10)		1318 22463.10(8)	22.6(10)	22463.12
1290 22491.04(7)	33.6(12)		1319 22461.70(10)	6.6(7)	
1291 22490.17(6)	305.7(15)		1320 22460.71(6)	29.8(7)	22460.75
1292 22489.37(6)	75.8(13)		1321 22459.01(6)	182.0(8)	22459.05
1293 22488.18(8)	17.4(10)		1322 22458.06(6)	100.3(14)	22458.12
1294 22486.84(6)	85.0(14)		1323 22457.49(6)	71.1(14)	22457.60
1295 22486.0(2)	16(7)		1324 22455.94(7)	46.4(18)	22455.87
1296 22485.53(7)	149(7)		1325 22455.39(7)	50.0(15)	22455.43
1297 22484.52(6)	194.8(11)		1326 22454.64(6)	97.0(9)	22454.67
1298 22483.26(6)	70.6(10)		1327 22453.89(6)	120.3(9)	22453.94
1299 22481.97(8)	41(3)		1328 22452.77(6)	157.9(7)	22452.89
1300 22481.38(8)	39(2)		1329 22451.86(6)	83.6(7)	22451.84
1301 22480.34(6)	147.1(11)		1330 22450.94(6)	73.1(9)	22450.89
1302 22479.37(7)	51.2(14)		1331 22450.19(6)	64.6(9)	22450.11
1303 22478.63(6)	150.3(15)		1332 22449.28(6)	395.3(12)	22449.30
1304 22477.25(9)	17.1(13)		1333 22448.51(7)	35.6(10)	
1305 22476.64(7)	58.9(12)		1334 22447.15(6)	152(5)	22447.17
1306 22475.86(6)	110.7(9)		1335 22446.75(7)	108(5)	22446.72
1307 22474.75(6)	84.7(11)		1336 22445.92(8)	15.7(9)	22445.98
1308 22474.12(6)	174.6(11)		1337 22444.75(9)	14.7(10)	22444.67
1309 22472.23(6)	112.4(7)		1338 22444.08(7)	33.4(10)	22444.05
			1339 22443.11(6)	47.1(8)	22443.10
<p>S+ GK-2B (5-2) P3 T+ 4d-2c (0-0) Q1 S- 3F-2B (2-3) Q4</p> <p>T- 4e-2c (0-0) Q5 T+ 4d-2c (0-0) P1 S- 3F-2B (0-0) Q8 T+ 4e-2c (0-0) P6 T+ 4d-2c (0-0) R2</p> <p>S+ GK-2B (2-0) P2 S+ GK-2B (5-2) P4</p> <p>T- 4e-2c (0-0) Q6 S+ GK-2B (5-2) P6 T+ 4c-2a (0-0) R6</p> <p>T+ 4e-2c (0-0) P7 T+ 4d-2c (0-0) R3 T+ 4d-2c (0-0) Q2 T+ 4c-2a (0-0) R5</p> <p>S- 3E-2B (6-8) Q1 S- 3E-2B (3-4) Q6</p>					

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1340 22441.82(6)	74.9(8)	22441.80		1369 22417.61(9)	14(3)		
1341 22440.97(6)	132.3(11)	22440.93		1370 22416.44(3)	294.5(8)	22416.47	T+ 4d-2c (0-0) R4
1342 22440.26(7)	45.0(12)			1371 22415.26(6)	12.5(7)		S- 3F-2B (2-3) Q2
1343 22439.62(6)	106.2(13)	22439.59		1372 22414.34(3)	173.8(7)	22414.36	<b>T+ 4e-2c (0-0) P8</b>
1344 22438.59(7)	30.0(10)			1373 22413.27(5)	17.9(7)	22413.24	
1345 22437.84(6)	132.3(15)			1374 22412.35(7)	10.6(8)		
1346 22437.24(6)	104.5(15)		<b>T+ 4d-2c (0-0) P2</b> S+ GK-2B (2-0) P3	1375 22411.64(4)	48.0(8)	22411.65	S+ 3F-2B (2-3) P5
1347 22436.43(6)	150.8(16)	22436.41	<b>T+ 4c-2a (0-0) R4</b>	1376 22409.94(4)	24.6(7)		
1348 22435.81(7)	55.9(15)	22435.81	<b>T- 4e-2c (0-0) P4</b>	1377 22408.48(6)	21.0(15)	22408.46	
1349 22435.20(7)	47.7(16)	22435.18	S- 3E-2B (3-4) Q5	1378 22407.93(5)	29.8(14)	22407.92	
1350 22433.98(6)	32.3(9)		S+ 3E-2B (1-1) R3	1379 22407.08(3)	147.8(8)	22407.11	
1351 22433.25(8)	16.0(11)			1380 22406.32(5)	19.5(8)		
1352 22432.61(5)	163.0(12)	22432.64		1381 22405.33(4)	32.6(7)	22405.37	<b>T+ 4c-2a (0-0) R2</b>
1353 22432.01(9)	8.9(12)			1382 22402.73(3)	175.7(10)	22402.73	S+ GK-2B (2-0) P4
1354 22430.98(4)	92.8(13)	22430.98		1383 22402.10(3)	108.1(10)	22402.14	S- 3E-2B (3-4) Q4
1355 22430.45(3)	129.9(13)	22430.46					
1356 22429.35(6)	9.4(6)			1384 22401.16(5)	17.1(8)		
1357 22428.09(4)	43.9(6)	22428.12		1385 22400.35(5)	17.5(8)		
1358 22427.26(6)	10.0(6)			1386 22399.22(5)	109(16)		
1359 22426.03(4)	85.3(17)	22426.01		1387 22398.96(4)	370(16)	22398.96	
1360 22425.51(4)	151.5(13)	22425.55		1388 22398.03(5)	20.5(8)		
1361 22424.87(5)	19.3(11)			1389 22397.27(4)	69.8(10)	22397.21	
1362 22423.74(5)	21.1(8)		S+ GK-2B (6-3) P1	1390 22396.61(3)	391.8(12)	22396.59	
1363 22423.02(6)	18.1(11)			1391 22395.76(6)	14.3(8)		
1364 22422.42(4)	41.8(11)	22422.39	<b>T+ 4c-2a (0-0) R3</b>	1392 22394.96(3)	106.1(8)	22394.99	
1365 22421.67(3)	114.6(8)	22421.66	<b>T- 4e-2c (0-0) Q7</b>	1393 22394.05(6)	11.7(7)		
1366 22420.59(5)	17.0(9)	22420.54		1394 22392.74(7)	7.3(7)		
1367 22419.97(4)	85.8(9)	22419.98		1395 22391.80(3)	355.8(9)	22391.78	S- 3F-2B (0-0) Q7
1368 22418.03(14)	7(3)			1396 22391.00(8)	10.6(10)		
				1397 22390.33(4)	154.5(11)	22390.32	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1398 22389.71(5)	32.2(12)	<b>T+ 4d-2c (0-0) Q3</b>	1427 22365.12(5)	118.2(6)	S+ 3F-2B (0-0) P9
1399 22388.99(3)	150.6(8)		1428 22363.99(5)	98.4(9)	
1400 22387.69(7)	6.8(7)		1429 22363.38(7)	25.2(9)	
1401 22386.80(3)	95.0(7)		1430 22362.44(5)	207.2(7)	
1402 22385.78(4)	56.7(8)		1431 22361.64(6)	40.1(6)	
1403 22385.02(3)	298.1(8)		1432 22360.16(9)	6.8(6)	
1404 22383.93(4)	67(3)	<b>T+ 4d-2c (0-0) R5</b> S+ 3F-2B (2-3) P4	1433 22359.27(6)	42.1(9)	T+ 4d-2c (0-0) P3
1405 22383.52(6)	26(3)		1434 22358.61(6)	85.5(13)	
1406 22382.27(3)	452.2(15)		1435 22358.08(5)	164.7(16)	
			1436 22357.00(5)	110.3(7)	
1407 22381.66(4)	144.2(11)		1437 22356.12(6)	29.3(6)	
1408 22381.04(5)	32.1(12)		1438 22355.33(10)	6.3(6)	
1409 22379.93(4)	97.0(8)	<b>T+ 4c-2a (0-0) R1</b> S+ GK-2B (6-3) P3	1439 22354.22(6)	48.4(7)	T+ 4c-2a (0-0) R0
1410 22379.21(5)	38.6(8)		1440 22353.22(5)	126.0(7)	
1411 22378.45(6)	51.5(7)		1441 22352.26(6)	58.5(9)	
1412 22377.07(6)	31.3(8)		1442 22351.48(8)	42(3)	
1413 22376.41(5)	151.8(8)		1443 22351.03(7)	45(3)	
1414 22375.31(6)	60.4(8)		1444 22350.05(6)	28.3(7)	
1415 22374.64(5)	194.0(9)	<b>T+ 4d-2c (1-1) R1</b> T- 4e-2c (0-0) P5	1445 22348.49(5)	165.0(9)	S+ EF-2B (32-2) P1 T+ 4d-2c (1-1) R2 T+ 4d-2c (0-0) R6 S- 3E-2B (3-4) Q1
1416 22373.96(6)	120.5(9)		1446 22347.77(5)	186.9(9)	
1417 22373.22(8)	82(11)		1447 22346.98(5)	235.2(8)	
1418 22372.91(8)	79(11)		1448 22345.96(6)	42.9(7)	
1419 22372.06(6)	36.2(7)		1449 22344.71(5)	116.3(7)	
1420 22371.14(13)	3.9(6)		1450 22343.77(9)	10.0(8)	
1421 22370.36(5)	67.8(6)	1421 22370.42	1451 22342.91(6)	51.6(8)	22342.98
1422 22369.39(13)	4.9(8)		1452 22341.99(7)	31.0(10)	
1423 22368.75(9)	9.0(8)		1453 22341.28(6)	65.4(10)	
1424 22367.54(5)	118.8(6)		1454 22340.63(5)	95.4(11)	
1425 22366.68(10)	9.1(11)		1455 22339.33(7)	28.7(13)	
1426 22366.09(5)	231.5(11)		1456 22338.75(6)	93.3(13)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1457 22337.75(8)	18.4(12)			1486 22310.09(5)	25.7(9)		T- 4e-2c (0-0) P6
1458 22337.13(6)	65.6(11)	22337.20		1487 22309.34(5)	35.6(8)		
1459 22336.35(5)	152.8(9)	22336.31		1488 22308.60(4)	78.7(11)		
1460 22335.42(8)	23.6(13)	22335.45		1489 22308.03(5)	24.8(12)		
1461 22334.84(13)	7.2(14)			1490 22306.06(4)	78.0(7)		S- 3F-2B (0-0) Q6
1462 22333.28(6)	49.6(7)	22333.16		1491 22305.30(5)	19.4(7)		
1463 22332.39(5)	72.0(7)	22332.38	S- 3E-2B (5-7) Q5	1492 22304.49(4)	131.2(9)	22304.44	
1464 22331.18(7)	38.8(19)	22331.15	S+ 3E-2B (3-4) P3	1493 22303.83(10)	9.2(9)		
1465 22330.67(6)	51.8(18)	22330.56		1494 22303.16(5)	28.6(9)		S+ 3E-2B (1-1) P6
1466 22329.09(6)	28.4(8)			1495 22302.41(4)	67.2(7)		
1467 22328.16(6)	82.7(17)	22328.14		1496 22301.24(7)	17.4(19)		
1468 22327.58(6)	147.2(16)	22327.62	<b>T+ 4d-2c (0-0) Q4</b>	1497 22300.71(12)	12.3(14)		
1469 22326.79(6)	48.3(9)			1498 22300.02(7)	69(14)		<b>T- 4c-2a (0-0) Q3</b>
1470 22325.83(7)	18.9(8)	22325.81		1499 22299.73(12)	26(15)		
1471 22324.36(7)	40(2)			1500 22298.71(3)	253.1(7)	22298.74	
1472 22323.88(6)	65(2)	22323.99		1501 22297.78(8)	6.0(6)		
1473 22322.64(6)	31.3(8)	22322.56		1502 22295.01(6)	20(2)	22294.98	T+ 4d-2c (1-1) R3
1474 22321.81(5)	91.3(8)	22321.79		1503 22294.56(7)	19(2)	22294.56	
1475 22320.86(5)	98.4(8)	22320.87		1504 22293.58(4)	38.6(6)	22293.60	
1476 22319.96(6)	36.5(11)			1505 22292.69(7)	7.5(6)		
1477 22319.20(5)	475.4(14)	22319.21		1506 22292.03(9)	7.9(10)		<b>T+ 4d-2c (1-1) Q2</b>
1478 22318.25(9)	8.8(8)			1507 22291.41(4)	70.3(12)	22291.46	
1479 22317.11(7)	38.2(15)			1508 22290.89(4)	58.8(14)	22290.87	
1480 22316.52(7)	40.8(14)			1509 22289.58(5)	16.2(9)		
1481 22315.64(5)	152.9(9)	22315.70		1510 22288.96(7)	11.3(8)		<b>T+ 4d-2c (1-1) R4</b>
1482 22313.84(6)	14.4(7)			1511 22288.16(5)	36(2)		
1483 22312.87(5)	42.9(7)	22312.85		1512 22287.72(3)	262(2)	22287.74	
1484 22311.90(6)	9.6(6)			1513 22286.82(7)	11.8(9)		
1485 22310.83(3)	692.5(13)	22310.81	<b>T+ 4d-2c (0-0) R7</b>	1514 22286.15(6)	21.2(14)		<b>T- 4c-2a (0-0) Q2</b>

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1515 22285.65(6)	18.4(15)		1545 22261.34(4)	54.5(15)	22261.41
1516 22284.77(3)	257.9(8)	22284.79	1546 22260.50(5)	49(3)	
1517 22283.81(5)	18.2(7)		1547 22260.01(5)	100(2)	
1518 22282.67(3)	389.5(8)	22282.67	1548 22259.48(9)	22(2)	
1519 22281.82(6)	11.5(7)		1549 22258.89(7)	16.6(15)	
1520 22280.44(4)	31.3(7)	22280.45	1550 22257.71(5)	16.5(8)	
1521 22279.66(4)	32.7(7)	22279.70	1551 22256.87(4)	81.4(18)	
1522 22278.65(4)	44.9(9)	22278.62	1552 22256.31(4)	119(2)	
1523 22278.05(4)	98.1(9)	22278.03	1553 22255.87(5)	56(3)	
1524 22277.00(4)	23.0(7)	22276.98	1554 22254.66(3)	467.9(8)	22254.66
1525 22275.13(5)	26.4(13)	22275.12	1555 22253.71(3)	143.2(8)	22253.67
1526 22274.62(4)	88.1(12)	22274.64	1556 22252.84(5)	48(3)	22252.81
1527 22273.80(4)	160(2)	22273.80	1557 22252.41(4)	83(3)	22252.43
1528 22273.25(5)	132(7)	22273.19	1558 22251.53(7)	13.0(10)	
1529 22272.93(6)	57(9)		1559 22250.91(6)	16.8(10)	
1530 22271.98(4)	20.6(7)		1560 22249.68(4)	53.4(7)	22249.63
1531 22270.42(5)	21.6(13)		1561 22248.93(4)	48.8(7)	22248.92
1532 22269.74(11)	81(57)		1562 22247.84(6)	48.8(19)	
1533 22269.54(6)	221(56)		1563 22247.38(8)	15.7(19)	
1534 22268.94(7)	23(2)		1564 22246.36(6)	14.7(6)	
1535 22268.25(6)	18.6(9)		1565 22245.42(5)	111.8(9)	22245.44
1536 22267.58(8)	11.2(11)		1566 22244.80(9)	10.3(9)	
1537 22266.36(5)	30.6(12)	22266.34	1567 22244.04(10)	6.4(7)	
1538 22265.76(4)	108.9(11)	22265.78	1568 22243.11(13)	3.1(6)	
1539 22264.99(4)	130.0(13)	22264.99	1569 22242.09(7)	15.6(7)	22242.08
1540 22264.39(7)	28.3(14)		1570 22241.33(5)	37.3(7)	22241.38
1541 22263.82(4)	190.9(14)	22263.83	1571 22240.57(6)	20.6(7)	
1542 22262.91(7)	224(97)		1572 22239.80(5)	45.5(7)	
1543 22262.75(10)	125(97)		1573 22239.00(5)	353.6(8)	22238.99
1544 22261.90(4)	88.6(14)	22261.92	1574 22237.98(8)	14.5(12)	
<b>T+ 4d-2c (1-1) Q3</b>					
<b>T- 4c-2a (0-0) Q4</b>					
<b>S+ GK-2B (7-4) R2</b>					
<b>S+ GK-2B (7-4) R0</b>					
<b>T+ 4d-2c (0-0) R8</b>					
<b>S+ GK-2B (7-4) R1</b>					
<b>T+ 4d-2c (0-0) Q5</b>					
<b>S+ 3E-2B (0-0) R7</b>					
<b>S+ 3F-2B (3-5) R3</b>					
<b>T- 4c-2a (0-0) Q5</b>					
<b>T+ 4d-2c (1-1) R5</b>					
<b>T+ 4c-2a (0-0) P2</b>					
<b>S+ GK-2B (7-4) P1</b>					
<b>S+ 3F-2B (0-0) R3</b>					
<b>T- 4e-2c (0-0) P7</b>					
<b>S+ 3E-2B (1-1) P4</b>					
<b>S- 3E-2B (5-7) Q1</b>					
<b>T- 4c-2a (0-0) Q6</b>					

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1575 22237.42(5)	70.5(11) 22237.44	<b>T + 4d-2c (0-0) R9</b>	1605 22211.56(5)	156.0(8) 22211.61	<b>T- 4c-2a (0-0) Q7</b>
1576 22236.60(6)	63(2)		1606 22210.80(5)	82.2(12) 22210.76	
1577 22236.15(5)	268(2) 22236.14		1607 22210.18(5)	147.6(14) 22210.16	
1578 22235.28(5)	127(2) 22235.31		1608 22209.65(5)	97.0(17) 22209.57	
1579 22234.37(8)	8.5(7)		1609 22208.62(5)	121.1(7) 22208.57	
1580 22233.64(6)	35.0(9) 22233.69	<b>T + 4d-2c (2-2) R1</b>	1610 22206.98(6)	19.7(7) 22206.94	<b>T + 4c-2a (1-1) R4</b>
1581 22232.34(5)	175.1(8) 22232.35		1611 22206.02(7)	22.2(17)	
1582 22231.52(6)	23.9(9)		1612 22205.49(5)	188.2(16)	
1583 22230.80(6)	56.3(12)		1613 22204.74(5)	88.2(9) 22204.70	
1584 22230.22(5)	182.0(13)		1614 22203.21(8)	35(5)	
1585 22229.36(9)	12.5(10)	S + 3E-2B (1-1) P3	1615 22202.80(7)	60(4)	<b>T + 4d-2c (0-0) Q6</b>
1586 22228.67(9)	19.5(14)	S- 3F-2B (0-0) Q5	1616 22202.22(5)	98.3(19) 22202.19	
1587 22228.15(7)	27.6(17) 22228.24	<b>T + 4d-2c (1-1) R3</b>	1617 22201.24(7)	46(3)	
1588 22226.78(5)	61.0(7) 22226.79		1618 22200.74(6)	137(3) 22200.75	
1589 22225.84(5)	147.5(7) 22225.91		1619 22200.33(9)	29(5)	
1590 22224.80(6)	32.8(15)		1620 22197.92(5)	142(8) 22197.89	
1591 22224.27(5)	138.9(14) 22224.20		1621 22197.61(7)	50(8)	<b>T + 4c-2a (1-1) R3</b>
1592 22223.31(5)	75.6(7) 22223.31	S + GK-2B (7-4) P2	1622 22196.60(8)	14.1(11)	
1593 22222.46(5)	72.3(7) 22222.44	S + 3E-2B (1-1) P2	1623 22195.94(5)	88.8(11) 22196.00	
1594 22221.17(5)	93.1(7) 22221.23	<b>T + 4d-2c (1-1) R6</b>	1624 22195.31(7)	18.3(12)	
1595 22220.23(5)	252.9(13) 22220.24		1625 22194.26(5)	37.2(8) 22194.37	
1596 22219.62(7)	27.2(12)		1626 22193.17(8)	8.3(8)	<b>S + 3F-2B (0-0) P7</b>
1597 22218.98(6)	34.5(11)		1627 22191.93(7)	19.9(8) 22191.84	
1598 22217.57(7)	63(9) 22217.56		1628 22191.10(5)	73.4(8) 22191.12	
1599 22217.25(7)	78(8) 22217.28		1629 22190.18(7)	18.3(9)	
1600 22216.55(5)	103.8(11) 22216.57	<b>T + 4c-2a (0-0) P3</b>	1630 22189.38(6)	47(2)	<b>S + GK-2B (7-4) P3</b>
1601 22215.55(7)	17.4(8)		1631 22188.88(5)	238(2) 22188.82	
1602 22214.80(5)	74.3(8) 22214.75		1632 22187.95(7)	25.7(10)	
1603 22213.23(5)	54.1(7) 22213.20		1633 22187.28(7)	18.2(10)	
1604 22212.38(5)	77.1(8) 22212.33		1634 22185.88(6)	44.1(8) 22185.87	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1635 22184.76(5)	382.2(9)	22184.74	<b>T- 4e-2c (0-0) P8</b> <b>T+ 4d-2c (1-1) R7</b>	1663 22159.21(6)	145(2)	22159.18	<b>T+ 4b-2a (1-0) R2</b>
1636 22183.81(8)	11.3(8)			1664 22158.74(8)	30(3)		
1637 22182.93(9)	9.1(8)			1665 22157.83(5)	130.1(8)	22157.81	
1638 22182.05(6)	30.2(9)			1666 22156.78(6)	36.7(8)	22156.83	
1639 22181.22(5)	374.2(10)	22181.23	S- 4E-2C (5-2) Q1 <b>T+ 4d-2c (2-2) R3</b>	1667 22155.78(5)	187.8(9)	22155.74	<b>T+ 4c-2a (1-1) R1</b> S+ 3F-2B (3-5) R1 S- 3F-2B (3-5) Q3
1640 22180.38(5)	231.5(9)	22180.52	<b>T- 4c-2a (0-0) Q8</b>	1668 22155.00(6)	56.1(8)	22155.11	
1641 22179.54(9)	10.7(9)			1669 22153.95(7)	14.4(8)		
1642 22178.66(6)	58.8(8)	22178.69		1670 22152.58(8)	9.6(8)		
1643 22177.25(5)	118.5(8)	22177.29	<b>T+ 4c-2a (1-1) R2</b>	1671 22151.30(5)	202.4(8)	22151.28	<b>T+ 4d-2c (2-2) R4</b>
1644 22176.42(6)	46.9(9)	22176.49	S+ 3E-2B (0-0) R6 <b>T+ 4d-2c (2-2) Q2</b>	1672 22149.75(10)	9.3(11)		
1645 22175.50(6)	158(8)			1673 22149.15(6)	66.7(11)	22149.20	<b>T+ 4d-2c (1-1) R8</b>
1646 22175.17(7)	98(8)			1674 22148.29(5)	157.3(8)	22148.30	
1647 22174.33(5)	172.5(10)	22174.30		1675 22147.31(8)	11.2(8)		
1648 22173.26(7)	18.3(8)			1676 22145.70(5)	102.5(7)	22145.67	<b>T- 4c-2a (0-0) Q9</b> <b>T+ 4b-2a (1-0) R1</b>
1649 22172.42(6)	58(2)	22172.37	S+ 3F-2B (0-0) R2	1677 22144.87(6)	47.5(7)	22144.89	
1650 22171.95(9)	20(2)			1678 22143.76(6)	44.7(7)	22143.75	
1651 22171.12(8)	22.8(11)			1679 22142.89(16)	3.6(8)		
1652 22170.52(9)	14.0(12)			1680 22142.12(5)	160.8(8)	22142.09	
1653 22169.14(5)	188.6(8)	22169.16	S- 4E-2C (5-2) Q2 <b>T+ 4c-2a (0-0) P4</b>	1681 22140.97(13)	4.3(8)		
1654 22168.26(7)	15.6(8)			1682 22140.21(9)	10.8(8)		<b>T+ 4d-2c (0-0) Q7</b>
1655 22167.33(6)	30.0(8)	22167.42		1683 22139.32(8)	19.9(13)		
1656 22166.32(7)	16.3(8)			1684 22138.77(6)	37.3(14)	22138.72	
1657 22165.09(6)	68.5(8)	22165.15	S- 3F-2B (0-0) Q4 T+ 4b-2a (1-0) R3	1685 22137.44(9)	8.6(8)		
1658 22164.01(5)	109.2(9)	22163.90		1686 22136.70(6)	30.9(8)	22136.70	
1659 22163.30(5)	391.9(10)	22163.25		1687 22135.70(7)	50(4)		
1660 22162.27(6)	44.3(8)	22162.23		1688 22135.30(6)	98(4)		
1661 22160.52(7)	26.4(12)	22160.49	S+ GK-2B (7-4) P4	1689 22134.09(7)	25.6(10)	22134.06	
1662 22159.92(6)	60.7(11)	22159.84		1690 22133.43(9)	18.1(9)		
				1691 22132.74(9)	14.0(9)		
				1692 22131.86(9)	12.4(9)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1693 22131.12(5)	380.0(10) 22131.10	<b>T+ 4c-2a (1-1) R0</b>	1723 22102.50(8)	49(3)	<b>T- 4c-2a (1-1) Q1</b> S- 3E-2B (2-3) Q8 S 3A-2B (2-4) P4
1694 22129.97(5)	153.0(7) 22130.01		1724 22102.07(8)	32(3)	
1695 22129.02(8)	9.9(7)		1725 22101.05(6)	50.3(7) 22101.03	
1696 22127.96(6)	29.7(7) 22127.95		1726 22099.97(6)	52.4(11) 22099.95	
1697 22126.71(5)	93.4(8) 22126.73		1727 22099.32(7)	49.1(13) 22099.29	
1698 22125.68(9)	16.2(12)	<b>T+ 4b-2a (1-0) R0</b> <b>T+ 4d-2c (2-2) Q3</b> <b>T+ 4c-2a (0-0) P5</b>	1728 22098.77(7)	37.1(15)	<b>T- 4c-2a (1-1) Q1</b> S- 3E-2B (2-3) Q8 S 3A-2B (2-4) P5
1699 22125.05(6)	52.1(12)		1729 22097.92(7)	15.2(8)	
1700 22123.52(6)	51.4(17) 22123.48		1730 22096.89(5)	108.9(7) 22096.88	
1701 22122.95(5)	192.9(16) 22122.89				
1702 22121.95(7)	111(13)	<b>T+ 4d-2c (2-2) R5</b>	1731 22095.87(5)	172.7(8) 22095.83	<b>T+ 4d-2c (2-2) P3</b> <b>T- 4c-2a (1-1) Q2</b>  S- 3E-2B (0-0) Q11 S+ 3E-2B (0-0) R5 <b>T+ 4d-2c (2-2) R6</b> S+ 3E-2B (0-0) P11
1703 22121.65(6)	247(13)		1732 22094.97(7)	21.3(8) 22094.98	
1704 22120.16(6)	35.6(11)		1733 22094.17(8)	23.1(17)	
1705 22119.41(5)	471.5(18) 22119.45		1734 22093.69(11)	10.3(19)	
1706 22118.82(7)	42.8(18)		1735 22092.18(7)	15.7(8) 22092.23	
1707 22117.62(5)	143.0(10) 22117.67	<b>S- 3F-2B (0-0) Q3</b>	1736 22091.46(10)	9.4(9)	<b>T+ 4d-2c (2-2) P3</b> <b>T- 4c-2a (1-1) Q2</b>  S- 3E-2B (0-0) Q11 S+ 3E-2B (0-0) R5 <b>T+ 4d-2c (2-2) R6</b> S+ 3E-2B (0-0) P11
1708 22116.88(6)	36.0(10) 22116.97		1737 22090.73(9)	10.6(9) 22090.69	
1709 22115.56(6)	46.1(10) 22115.66		1738 22090.00(7)	17.7(8) 22089.99	
1710 22114.85(8)	16.3(10)		1739 22088.98(5)	317.0(16) 22088.96	
1711 22113.55(5)	171.0(8) 22113.49		1740 22088.47(7)	22.7(16)	
1712 22112.24(6)	62.3(8) 22112.22	<b>T- 4c-2a (0-0) Q10</b>	1741 22087.43(5)	417(6) 22087.42	S+ GK-2B (8-5) R2
1713 22111.36(8)	35(4)		1742 22086.46(15)	9(3)	
1714 22110.97(6)	247(4)		1743 22086.02(5)	206.0(10) 22086.01	
1715 22110.19(7)	28.6(9)				
1716 22109.37(6)	63.5(9) 22109.35		1744 22085.37(7)	26.1(12) 22085.37	
1717 22108.72(7)	28.0(9) 22108.77	<b>T- 4c-2a (0-0) Q10</b>	1745 22084.47(7)	27.5(11) 22084.50	S+ GK-2B (8-5) R2
1718 22107.64(5)	135.4(7) 22107.65		1746 22083.88(7)	28.0(12)	
1719 22106.59(6)	53.0(8) 22106.57		1747 22082.95(7)	23.3(9) 22082.93	
1720 22105.78(6)	66.2(10) 22105.81		1748 22082.28(11)	8.6(9)	
1721 22105.19(6)	57.2(11) 22105.21		1749 22081.40(6)	68.6(12) 22081.36	
1722 22103.10(6)	46.6(14) 22103.17				

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1750 22080.74(7)	69(3) 22080.72	<b>T+ 4d-2c (1-1) Q6</b> T+ 4d-2c (3-3) R1	1779 22056.61(6)	57(2) 22056.63	<b>T+ 4d-2c (2-2) R7</b>
1751 22080.29(7)	69(3)		1780 22056.13(10)	14(2)	
1752 22079.48(9)	11.4(8)		1781 22054.94(6)	26.0(10) 22054.98	
1753 22078.63(14)	7.8(15)		1782 22054.28(8)	13.5(10)	
1754 22078.11(9)	16.4(16)		1783 22053.32(6)	18.7(7)	
1755 22077.14(5)	182.1(8) 22077.13	<b>T- 4c-2a (1-1) Q3</b>	1784 22052.28(7)	13.5(7)	<b>T+ 4d-2c (2-2) R7</b>
1756 22076.12(7)	15.2(8)		1785 22051.21(5)	335.9(8) 22051.25	
1757 22075.35(6)	32.3(8)		1786 22050.33(6)	33.6(7) 22050.37	
1758 22074.45(5)	147.8(8) 22074.37		1787 22049.42(6)	22.6(7) 22049.40	
1759 22073.63(5)	241.7(10) 22073.64		1788 22046.60(10)	6.4(8)	
1760 22072.99(6)	101.9(10) 22072.99	<b>T+ 4c-2a (0-0) P6</b>	1789 22045.92(10)	8.0(8)	<b>S- 3E-2B (2-3) Q7</b> <b>T- 4c-2a (1-1) Q5</b>
1761 22071.74(7)	32(3)		1790 22045.17(7)	21.5(8) 22045.15	
1762 22071.32(6)	58(3) 22071.46		1791 22044.48(7)	20.6(8) 22044.43	
1763 22070.29(9)	19(3)		1792 22043.72(7)	15.1(7) 22043.63	
1764 22069.81(5)	131(2) 22069.76		1793 22042.86(6)	22.7(7) 22042.80	
1765 22069.12(5)	82.2(11) 22069.21	<b>S- 3F-2B (0-0) Q2</b>	1794 22041.86(5)	176.8(7) 22041.87	<b>S- 3E-2B (2-3) Q7</b> <b>T- 4c-2a (1-1) Q5</b>
1766 22068.19(5)	103.8(9) 22068.16		1795 22040.10(6)	26.7(7) 22040.13	
1767 22067.04(5)	56.4(11)		1796 22039.17(7)	9.9(7)	
1768 22066.37(5)	85.9(12)		1797 22038.05(6)	16.1(7)	
1769 22065.72(6)	73.8(12)		1798 22037.14(7)	15.6(7)	
1770 22065.01(7)	36.2(13)	<b>S+ GK-2B (8-5) R0</b>	1799 22036.27(6)	36.4(11) 22036.20	<b>S+ 3F-2B (0-0) P4</b>
1771 22064.41(7)	29.9(14)		1800 22035.68(6)	49.3(10) 22035.69	
1772 22063.54(6)	38.5(9) 22063.51		1801 22034.99(9)	12.5(11)	
1773 22062.41(8)	10.5(8)		1802 22034.38(5)	314.9(12) 22034.40	
1774 22061.34(5)	369.4(9) 22061.39		1803 22033.39(6)	26.0(10)	
1775 22060.17(7)	17.6(11)	<b>T- 4c-2a (1-1) Q4</b>	1804 22032.79(5)	85.1(9) 22032.74	<b>T+ 4c-2a (1-1) P2</b>
1776 22059.55(5)	86.1(11) 22059.64		1805 22032.08(7)	20.2(8) 22032.17	
1777 22058.46(8)	9.5(8)		1806 22031.24(6)	25.4(10) 22031.19	
1778 22057.53(7)	15.7(9) 22057.53		1807 22030.67(7)	21.3(11) 22030.74	
			1808 22029.66(9)	13.2(18)	



Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1867 21980.99(6)	14.0(7)	<b>T+ 4d-2c (3-3) Q3</b> <b>T+ 4b-2a (1-0) P3</b>	1896 21957.29(5)	123.2(13)	<b>T+ 4c-2a (2-2) R2</b> S- 3E-2B (2-3) Q5 S+ GK-2B (3-1) R2
1868 21980.00(5)	50.1(8)		1897 21956.74(5)	57.0(15)	
1869 21979.42(6)	16.3(8)				
1870 21978.44(4)	203.7(6)		1898 21955.82(9)	6.4(8)	
1871 21977.46(5)	82(4)		1899 21954.48(8)	18.5(19)	
1872 21977.06(6)	72(3)	<b>T+ 4d-2c (3-3) R5</b>	1900 21953.99(7)	29.5(17)	<b>T+ 4c-2a (1-1) P4</b> S 3A-2B (3-6) R2 S+ GK-2B (3-1) R1
1873 21976.51(7)	23.0(16)		1901 21953.18(5)	68.4(9)	
1874 21975.65(4)	222.3(7)		1902 21952.42(6)	86.0(16)	
1875 21974.59(7)	30(4)		1903 21951.88(5)	166.4(15)	
1876 21974.25(6)	53(4)		1904 21951.19(6)	41.2(10)	
1877 21972.21(5)	47.5(10)	<b>T+ 4c-2a (0-0) P8</b> S+ GK-2B (8-5) P4 S+ GK-2B (3-1) R3 <b>T- 4c-2a (1-1) Q8</b>	1905 21950.41(7)	24.1(9)	S- 3F-2B (1-2) Q5 S+ 3E-2B (0-0) P9  S+ GK-2B (1-0) R13 <b>T+ 4d-2c (3-3) R6</b>
1878 21971.67(6)	18.8(10)		1906 21949.60(9)	12.9(9)	
1879 21970.82(7)	11.2(6)		1907 21948.80(6)	87.2(10)	
1880 21970.00(5)	29.0(7)		1908 21948.08(5)	651.1(12)	
1881 21969.38(10)	5.7(8)		1909 21947.12(7)	30.4(16)	
1882 21968.49(9)	6.5(8)	<b>T+ 4c-2a (0-0) P8</b> S+ GK-2B (8-5) P4 S+ GK-2B (3-1) R3 <b>T- 4c-2a (1-1) Q8</b>	1910 21946.60(7)	31.9(16)	S- 3F-2B (1-2) Q5 S+ 3E-2B (0-0) P9  S+ GK-2B (1-0) R13 <b>T+ 4d-2c (3-3) R6</b>
1883 21967.36(4)	199.2(9)		1911 21945.72(8)	14.3(8)	
1884 21966.58(8)	41(6)		1912 21944.54(8)	37(3)	
1885 21966.20(5)	184(5)		1913 21944.13(8)	37(3)	
1886 21965.61(5)	96.7(17)		1914 21943.32(6)	132.5(10)	
1887 21964.93(8)	10.3(10)	<b>T+ 4c-2a (0-0) P8</b> S+ GK-2B (8-5) P4 S+ GK-2B (3-1) R3 <b>T- 4c-2a (1-1) Q8</b>	1915 21942.61(9)	10.9(9)	S- 3E-2B (0-0) Q9 S+ 3E-2B (2-3) R1  <b>T+ 4c-2a (2-2) R1</b>
1888 21963.89(6)	21.0(8)		1916 21941.70(7)	17.5(8)	
1889 21962.98(6)	27.4(8)		1917 21940.82(6)	77.3(15)	
1890 21962.22(7)	14.5(8)		1918 21940.29(8)	27.0(15)	
1891 21961.10(4)	338.2(8)		1919 21939.31(5)	710.2(13)	
1892 21960.17(5)	68.1(10)	<b>T+ 4c-2a (2-2) R1</b>	1920 21938.56(7)	39.6(16)	<b>T+ 4c-2a (2-2) R1</b>
1893 21959.54(8)	12.5(10)		1921 21938.05(6)	118.0(17)	
1894 21958.72(5)	36.1(8)		1922 21936.93(7)	22.3(9)	
1895 21957.87(8)	17.4(14)		1923 21936.23(6)	57.3(9)	





Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
1984 21884.90(5)	39.6(19) 21884.97		2013 21861.91(7)	10.0(8)	S- 3F-2B (4-7) Q3
1985 21883.93(6)	11.2(6)		2014 21861.24(7)	11.6(8)	
1986 21883.08(7)	6.6(6)		2015 21860.36(5)	104(6) 21860.34	<b>T- 4c-2a (2-2) Q3</b>
1987 21881.95(4)	59.3(6) 21881.95	S+ 3E-2B (2-3) P5	2016 21860.04(4)	230(6) 21860.06	<b>T+ 4c-2a (1-1) P6</b>
1988 21881.17(8)	8.2(7)		2017 21858.91(5)	26.3(7) 21858.92	
1989 21880.52(5)	21.9(7)	S- 3E-2B (2-3) Q2	2018 21857.83(10)	12(3)	
		S+ 3E-2B (4-6) P3	2019 21857.43(6)	44(3) 21857.42	
1990 21879.71(4)	67.3(6) 21879.72	<b>T- 4c-2a (2-2) Q1</b>	2020 21856.57(9)	10.3(12)	S+ GK-2B (3-1) P3
1991 21878.86(5)	23.3(8)		2021 21856.03(7)	17.0(12)	
1992 21878.23(4)	408.8(10) 21878.22	S- 3E-2B (0-0) Q8	2022 21855.03(6)	16.3(7)	
1993 21877.51(4)	146.2(6) 21877.54	<b>T+ 4d-2c (4-4) R3</b>	2023 21854.24(8)	13.1(11)	
1994 21876.55(6)	21.7(11)		2024 21853.66(5)	44.7(10) 21853.69	
1995 21875.97(7)	31(2)		2025 21852.97(5)	38.2(8) 21852.89	
1996 21875.53(9)	16(2)		2026 21851.16(4)	99.1(7) 21851.19	<b>T+ 4d-2c (4-4) R4</b>
1997 21874.77(9)	9.0(9)		2027 21850.11(5)	41.2(7) 21850.00	S+ 3E-2B (2-3) P3
1998 21874.19(4)	89.6(9) 21874.20	S 3A-2B (3-6) P1	2028 21849.27(4)	85.2(10) 21849.26	
1999 21873.35(6)	33(3)		2029 21848.69(5)	29.5(10)	
2000 21872.99(10)	13(3)		2030 21847.70(4)	103.7(11)	
2001 21871.93(4)	200.7(8) 21871.92	<b>T- 4c-2a (2-2) Q2</b>	2031 21846.29(7)	11.8(11)	
2002 21871.03(6)	25.0(17)		2032 21844.98(4)	260.9(11) 21844.99	<b>T- 4c-2a (2-2) Q4</b>
2003 21870.56(6)	28.9(17) 21870.64	<b>T+ 4d-2c (3-3) Q5</b>	2033 21843.31(5)	29.5(11) 21843.27	
2004 21869.13(4)	88.4(7) 21869.11		2034 21842.08(7)	12.1(11)	S+ 3E-2B (2-3) P2
2005 21868.27(5)	39.5(11)	S- 3E-2B (2-3) Q1	2035 21840.79(7)	13.6(11)	
2006 21867.71(5)	46.6(11)		2036 21839.93(5)	42.0(11) 21839.90	S+ 3E-2B (0-0) R2
2007 21866.82(6)	18.4(7)		2037 21839.03(4)	933.4(14) 21839.03	S+ 3E-2B (0-0) P7
2008 21865.99(5)	48.8(15) 21866.03	S+ GK-2B (1-0) R12	2038 21837.85(4)	129.1(11)	
2009 21865.49(5)	76.3(15)	<b>T+ 4d-2c (4-4) Q2</b>	2039 21836.56(5)	45.3(11) 21836.57	
2010 21864.59(4)	362.5(12) 21864.65	S+ 3E-2B (2-3) P4	2040 21834.89(5)	49.8(11)	
2011 21863.94(6)	19.1(10)		2041 21833.63(6)	25.5(13) 21833.66	
2012 21863.07(8)	6.3(7)		2042 21833.00(8)	13.4(13)	S- 3F-2B (4-7) Q2

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2043 21832.14(4)	43.4(11) 21832.13		2072 21808.15(4)	47.4(8) 21808.14	S+ GK-2B (9-6) R1  <b>T- 4c-2a (2-2) Q6</b>
2044 21831.44(5)	24.3(11) 21831.37		2073 21805.46(3)	68.2(7) 21805.48	
2045 21830.66(6)	18.6(10)		2074 21804.70(5)	15.8(7)	
2046 21829.81(6)	9.3(9)		2075 21803.87(5)	12.8(7)	
2047 21828.54(6)	9.1(9)		2076 21802.92(3)	239.3(7) 21802.94	
2048 21827.63(5)	14.7(9)	<b>T+ 4b-2a (2-1) R2</b> S- 3E-2B (0-0) Q7 <b>T- 4c-2a (2-2) Q5</b>	2077 21801.99(5)	11.7(7)	S+ GK-2B (9-6) R4  <b>T- 4c-2a (2-2) Q7</b> <b>T+ 4b-2a (2-1) R0</b> S+ GK-2B (4-2) P3 S+ GK-2B (3-1) P5
2049 21826.61(3)	199.0(9) 21826.62		2078 21800.82(5)	45(4) 21800.82	
2050 21825.70(3)	1099.6(12) 21825.73		2079 21800.49(4)	62(4) 21800.49	
2051 21824.87(5)	19.7(9)		2080 21799.26(5)	13.6(7)	
2052 21824.10(5)	15.3(9)		2081 21798.25(5)	46(3) 21798.19	
2053 21822.71(5)	30.7(15)	<b>T+ 4d-2c (4-4) R5</b>	2082 21797.88(8)	18(3)	S+ GK-2B (1-0) R11  <b>T+ 4d-2c (4-4) R6</b>
2054 21822.13(3)	203.7(17) 21822.16		2083 21797.12(4)	38.1(8) 21797.06	
2055 21821.58(5)	64.4(18)		2084 21796.19(3)	93.2(19) 21796.16	
2056 21821.08(5)	37(2)		2085 21795.75(4)	73.8(19) 21795.75	
2057 21820.33(3)	100.6(10) 21820.30		2086 21794.86(5)	12.9(8)	
2058 21819.16(6)	23(2)	<b>T+ 4c-2a (2-2) P2</b>	2087 21794.17(4)	50.6(8) 21794.17	S+ 3E-2B (0-0) P6
2059 21818.71(6)	21(2)		2088 21793.42(4)	28.6(7) 21793.43	
2060 21817.79(3)	59.6(7) 21817.79		2089 21792.37(3)	811.3(9) 21792.35	
2061 21817.05(8)	9.6(10)		2090 21791.45(6)	27(2)	
2062 21816.34(6)	10.5(7)		2091 21790.99(4)	106.3(17) 21790.92	
2063 21815.49(3)	116.6(7) 21815.52	<b>T+ 4b-2a (2-1) R1</b>	2092 21790.40(6)	17.7(11)	
2064 21814.60(4)	92(3) 21814.62		2093 21789.55(4)	33.6(9) 21789.62	
2065 21814.21(6)	24(3)		2094 21788.57(5)	20.1(9)	
2066 21812.23(6)	11.6(11)		2095 21787.54(3)	518.7(10) 21787.51	
2067 21811.69(5)	25.7(10) 21811.74		2096 21786.53(5)	19.4(9)	
2068 21810.91(6)	10.8(8)		2097 21785.75(8)	6.3(9)	
2069 21810.22(6)	13.3(8)		2098 21784.56(3)	66.2(9) 21784.60	
2070 21809.51(3)	101.4(8) 21809.51		2099 21783.58(7)	8.0(9)	
2071 21808.78(8)	8.3(8)		2100 21782.78(5)	29.0(16)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2101 21782.25(5)	36.2(15)	S- 3E-2B (0-0) Q6  <b>T+ 4c-2a (2-2) P3</b>	2131 21758.93(6)	24.2(12)	<b>T+ 4d-2c (4-4) R7</b> <b>T+ 4c-2a (3-3) R3</b>
2102 21781.55(3)	556.4(15)		2132 21758.00(4)	169.6(19)	
2103 21780.90(4)	52.4(12)		2133 21757.44(7)	29.5(17)	
2104 21780.23(4)	54.0(14)		2134 21756.78(7)	32.7(18)	
2105 21779.68(4)	63.8(14)		2135 21756.23(4)	156.0(19)	
2106 21778.95(4)	46.3(10)		2136 21755.43(5)	27.8(12)	
2107 21778.07(6)	14.0(9)		2137 21753.89(8)	10.6(12)	
2108 21777.32(5)	40.7(14)		2138 21753.16(7)	14.7(13)	
2109 21776.73(5)	78(3)		2139 21752.42(6)	20.0(12)	
2110 21776.26(4)	182(2)		2140 21751.57(7)	12.3(12)	
2111 21775.75(6)	25(2)	S+ GK-2B (4-2) P4	2141 21748.64(6)	23.0(12)	S- 3E-2B (0-0) Q5
2112 21775.00(5)	23.4(9)		2142 21747.77(6)	34.3(17)	
2113 21774.03(5)	17.4(10)		2143 21747.21(7)	28.5(16)	
2114 21773.39(4)	43.1(10)		2144 21746.57(4)	156.6(15)	
2115 21772.36(4)	57.7(7)		2145 21745.52(4)	1214.1(14)	
2116 21771.43(8)	12.3(14)		2146 21744.74(5)	33.6(13)	
2117 21770.94(5)	39.6(15)		2147 21743.57(5)	31.9(12)	
2118 21769.62(4)	169.7(7)		2148 21742.48(4)	1067.4(13)	
2119 21768.85(9)	7.8(8)		2149 21741.47(5)	60.8(17)	
2120 21768.20(6)	19.4(8)		2150 21740.90(7)	22.6(16)	S+ 3E-2B (0-0) P5 <b>T+ 4c-2a (3-3) R2</b>
2121 21767.51(5)	37.8(7)	<b>T- 4c-2a (2-2) Q8</b>  S+ 3F-2B (2-4) R4	2151 21740.17(7)	42(3)	
2122 21766.52(6)	10.2(6)		2152 21739.74(4)	131(3)	
2123 21765.67(6)	12.4(7)		2153 21737.89(5)	91(4)	
2124 21764.95(6)	11.5(7)		2154 21737.51(7)	39(4)	
2125 21763.90(6)	9.9(6)		2155 21736.58(4)	128.5(15)	
2126 21763.01(5)	39.3(14)		2156 21735.99(5)	76.7(15)	
2127 21762.52(4)	73.1(14)		2157 21734.89(4)	116.7(12)	
2128 21761.46(6)	16.6(8)		2158 21734.10(6)	23.0(12)	
2129 21760.85(7)	12.4(8)		2159 21732.21(5)	16.9(7)	
2130 21759.95(5)	17.8(6)		2160 21731.34(10)	6.7(11)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2161 21730.75(8)	13.9(10)	S+ GK-2B (1-0) R10 S+ GK-2B (9-6) P3	2191 21705.92(7)	12.1(14)	S+ GK-2B (5-3) R3 S- 4E-2B (1-8) Q2 S+ 3E-2B (0-0) P4
2162 21730.10(4)	95.9(10)		2192 21705.43(8)	14.3(12)	
2163 21729.47(6)	27.1(11)		2193 21704.72(6)	16.7(8)	
2164 21728.92(6)	17.1(12)		2194 21704.11(5)	37.2(8)	
2165 21727.68(7)	8.5(7)		2195 21703.19(4)	495.2(14)	
2166 21726.77(4)	64.6(7)		2196 21702.36(8)	12.1(11)	
2167 21725.96(7)	14.7(13)		2197 21701.83(6)	16.5(11)	
2168 21725.45(6)	26.6(13)		2198 21701.02(7)	8.7(6)	
2169 21724.44(4)	504.3(8)		2199 21700.12(4)	61.4(13)	
2170 21723.51(4)	114.4(8)		2200 21698.94(8)	25(4)	
2171 21722.79(6)	22.6(10)	T+ 4c-2a (3-3) R1	2201 21698.45(5)	128(3)	S- 4E-2B (1-8) Q1 T+ 4b-2a (2-1) P2 T+ 4c-2a (3-3) R0
2172 21722.19(9)	9.4(10)				
2173 21721.47(5)	31.4(8)		2202 21697.91(6)	43(3)	
2174 21720.59(5)	32.5(7)		2203 21696.68(6)	29.8(15)	
2175 21719.81(6)	11.6(7)		2204 21695.89(4)	1264.1(19)	
2176 21718.91(4)	68.9(7)		2205 21695.01(6)	26.6(14)	
2177 21718.08(6)	13.5(7)		2206 21693.92(4)	49.6(14)	
2178 21717.17(4)	605.9(8)		2207 21690.86(5)	33.0(14)	
2179 21716.09(4)	39.0(7)		2208 21689.66(8)	11.5(14)	
2180 21715.16(7)	8.2(7)		2209 21688.75(7)	15.6(14)	
2181 21713.96(5)	34.7(7)	S+ 3E-2B (0-0) R0	2210 21687.74(4)	104.2(14)	S+ GK-2B (5-3) R2
2182 21713.27(4)	47.9(7)		2211 21686.03(7)	14.5(14)	
2183 21712.50(7)	8.0(7)		2212 21685.25(10)	9.1(14)	
2184 21711.75(8)	7.5(7)		2213 21684.31(5)	49.9(14)	
2185 21711.04(6)	11.5(7)		2214 21683.43(7)	13.6(14)	
2186 21710.16(4)	109.1(7)		2215 21681.03(4)	444.5(14)	
2187 21709.50(4)	42.6(7)		2216 21678.65(6)	31.1(17)	
2188 21708.74(4)	58.4(6)		2217 21678.05(4)	116.5(17)	
2189 21707.77(5)	18.1(7)		2218 21676.79(5)	51(2)	
2190 21707.09(8)	6.1(7)		2219 21676.28(6)	32(2)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2220 21674.44(8)	11.4(11)	S- 3F-2B (2-4) Q5	2249 21648.35(5)	96.9(16)	T- 4c-2a (3-3) Q3
2221 21673.71(5)	39.5(13)		2250 21647.54(9)	14.2(16)	
2222 21673.09(7)	22.9(14)		2251 21644.43(9)	12.2(16)	
2223 21672.47(7)	19.9(13)		2252 21642.73(5)	36.8(6)	
2224 21671.67(4)	1278(13)		2253 21641.38(5)	37.7(14)	
		S- 3E-2B (0-0) Q1 S+ 3E-2B (0-0) P3 S+ 3E-2B (0-0) P3	2254 21640.89(11)	7.8(13)	T- 4c-2a (3-3) Q4
2225 21671.36(10)	38(13)		2255 21640.15(5)	29.5(7)	
2226 21670.71(6)	29.3(16)		2256 21639.13(7)	11.9(8)	
2227 21669.66(7)	11.2(10)	T- 4c-2a (3-3) Q1	2257 21638.45(6)	25.4(11)	
2228 21668.68(7)	10.5(10)		2258 21637.94(6)	27.2(12)	
2229 21667.37(4)	44.8(10)		2259 21637.12(5)	26.1(7)	
2230 21666.57(5)	41.9(11)		2260 21633.71(5)	76(3)	
2231 21665.73(8)	10.2(11)		2261 21633.30(5)	116(2)	
2232 21664.92(6)	20.0(11)	S+ GK-2B (1-0) R9	2262 21632.82(6)	41(2)	
2233 21664.17(6)	19.3(11)		2263 21631.92(6)	14.5(7)	
2234 21663.24(4)	1254.7(14)		2264 21631.03(9)	5.2(6)	
2235 21662.38(5)	24.4(11)		2265 21629.24(5)	53.6(6)	
2236 21661.54(6)	15.0(10)		2266 21628.07(8)	6.9(6)	
2237 21660.48(5)	77.2(14)	S- 3E-2B (3-5) Q7 T- 4c-2a (3-3) Q2	2267 21626.98(5)	54.0(7)	
2238 21659.78(4)	98.6(14)		2268 21626.24(7)	10.4(7)	
2239 21658.59(8)	14.7(16)		2269 21625.43(8)	10.3(8)	
2240 21657.49(9)	17.3(18)		2270 21624.82(9)	7.0(8)	
2241 21656.82(5)	112.7(18)		2271 21623.38(4)	233.8(8)	S- 3E-2B (1-2) Q9
2242 21655.85(7)	20.9(16)	T+ 4b-2a (2-1) P3 S+ 3E-2B (0-0) P2 T+ 4c-2a (2-2) P6	2272 21622.30(7)	9.5(6)	
2243 21655.01(9)	22(2)		2273 21621.35(6)	22.6(7)	
2244 21654.45(6)	64(2)		2274 21620.63(9)	7.0(8)	
2245 21653.52(6)	63(4)		2275 21619.98(7)	13.7(8)	
2246 21653.07(5)	132(4)		2276 21619.02(7)	9.0(7)	
2247 21651.08(4)	242.8(16)		2277 21618.05(9)	6.1(7)	
2248 21649.88(5)	129.1(16)		2278 21617.30(9)	7.3(7)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2279 21616.61(5)	29.6(7) 21616.61	<b>T- 4c-2a (3-3) Q5</b>	2309 21595.00(7)	81.2(7)	<b>T- 4c-2a (3-3) Q6</b>
2280 21615.90(11)	4.7(7)		2310 21594.28(8)	20.7(7)	
2281 21615.07(11)	6.5(11)		2311 21593.56(7)	41.3(8)	
2282 21614.53(5)	63.2(10) 21614.54		2312 21592.98(14)	5.0(9)	
2283 21613.72(13)	9(3)		2313 21592.15(7)	93.3(9)	
2284 21613.30(6)	47(2) 21613.19		2314 21590.55(9)	15.1(10)	
2285 21612.62(9)	12.6(9)		2315 21589.67(7)	41.8(11)	
2286 21612.06(5)	54.0(11) 21612.10		2316 21588.99(10)	14.2(11)	
2287 21611.01(5)	26.3(6) 21611.02		2317 21588.25(8)	28.9(12)	
2288 21610.13(6)	125(2) 21610.09		2318 21587.64(9)	15.6(12)	
2289 21609.64(5)	777(3) 21609.67	<b>S+ GK-2B (1-0) R8</b>	2319 21586.78(11)	8.2(10)	<b>S+ GK-2B (2-1) R0</b>
2290 21608.59(8)	37(3)		2320 21584.38(7)	41.3(10)	
2291 21608.21(12)	15(3)	<b>T+ 4c-2a (3-3) P2</b> <b>S- 3E-2B (5-8) Q7</b>	2321 21583.68(8)	26.4(10)	
2292 21607.45(8)	51.8(13)		2322 21581.56(10)	15.0(12)	
2293 21606.96(9)	20.5(15)		2323 21580.98(8)	47.5(12) 21581.01	
2294 21606.08(10)	7.7(6)		2324 21580.31(9)	14.9(11)	
2295 21605.26(8)	20.1(7)		2325 21579.55(8)	28.4(10)	
2296 21604.56(8)	14.9(7)		2326 21578.59(9)	14.7(10)	
2297 21603.80(9)	9.8(6)		2327 21577.81(8)	21.2(10)	
2298 21602.93(7)	81.7(10) 21603.05		2328 21576.57(8)	45.3(17) 21576.62	
2299 21602.39(10)	13.1(10)		2329 21576.06(8)	43.9(15) 21576.12	
2300 21601.63(7)	55.8(13)	<b>T+ 4b-2a (2-1) P4</b>	2330 21575.37(13)	10.9(14)	<b>T- 4c-2a (3-3) Q7</b>
2301 21601.10(7)	89.8(12) 21601.18		2331 21574.82(9)	32.0(14) 21574.87	
2302 21600.58(7)	57.7(14)		2332 21574.26(10)	18.0(15)	
2303 21599.57(7)	21.3(6)		2333 21573.43(11)	7.6(10)	
2304 21598.67(8)	30.4(9)		2334 21571.02(7)	126.3(10) 21570.99	
2305 21598.07(8)	44.3(9)		2335 21570.16(9)	15.5(10)	
2306 21597.47(10)	14.8(9)		2336 21569.43(10)	12.3(10)	
2307 21596.81(7)	36.0(7)		2337 21568.73(7)	63.7(10) 21568.66	
2308 21595.86(8)	12.0(6)		2338 21567.91(10)	12.3(10)	





Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2397 21516.32(5)	36.3(9)	S+ 3E-2B (1-2) R3	2427 21491.86(3)	121.3(11) 21491.89	S- 3E-2B (5-8) Q4
2398 21515.57(5)	35.9(7) 21515.55		2428 21491.01(7)	11.5(12)	
2399 21514.08(5)	49.7(7) 21514.06		2429 21490.27(4)	31.1(14)	
2400 21513.16(5)	29.6(7) 21513.10		2430 21489.63(3)	70.3(16)	
2401 21512.41(9)	6.9(7)	<b>T+ 4c-2a (4-4) R1</b>	2431 21489.08(4)	44.5(18)	S+ 3E-2B (6-4) P4
2402 21511.68(6)	18.4(7)		2432 21488.23(6)	9.9(11)	
2403 21509.89(5)	118.0(13) 21509.88		2433 21486.07(7)	8.5(10)	
2404 21509.27(9)	13.0(12)		2434 21484.38(4)	18.8(11)	
2405 21508.61(8)	12.8(12)	S- 3E-2B (3-5) Q3	2435 21483.52(5)	18.8(11)	S- 3E-2B (3-5) Q1
2406 21507.77(9)	9.3(10)		2436 21482.71(3)	100.0(11) 21482.68	
2407 21506.92(6)	29.6(12)		2437 21481.60(5)	13.5(11)	
2408 21506.29(9)	9.6(12)		2438 21480.64(3)	42.0(11) 21480.60	
2409 21505.21(11)	9.6(16)	S+ 3F-2B (0-1) R5	2439 21479.81(4)	30.8(11) 21479.85	S+ GK-2B (1-0) R4
2410 21504.65(6)	69.8(16) 21504.68		2440 21478.40(4)	19.0(11)	
2411 21504.11(6)	35.6(18)		2441 21477.70(3)	39.5(11) 21477.69	
2412 21503.26(4)	416.5(11) 21503.21		2442 21477.04(5)	20.7(12)	
2413 21502.35(6)	22.3(11)	S- 3E-2B (1-2) Q7	2443 21476.39(3)	64.4(11) 21476.41	S+ 3E-2B (3-5) Q1
2414 21501.67(6)	25.0(12)		2444 21475.45(4)	23.2(10)	
2415 21500.97(8)	13.4(11)		2445 21474.48(2)	1078.4(13) 21474.50	
2416 21500.19(5)	26.9(13)		2446 21473.62(4)	19.2(10)	
2417 21499.54(5)	39.1(14)	S- 4E-2B (3-12) Q3	2447 21472.79(6)	16.7(14)	S+ 3E-2B (3-5) Q1
2418 21498.97(4)	76.2(16) 21498.98		2448 21472.23(7)	15.1(14)	
2419 21498.04(5)	17.5(11)		2449 21471.61(7)	10.0(12)	
2420 21497.19(3)	149(2)		2450 21469.21(5)	14.3(11)	
2421 21496.60(2)	2119(3) 21496.61	S+ GK-2B (2-1) P3	2451 21468.54(2)	151.0(11) 21468.54	S+ 3E-2B (3-5) P3
2422 21495.64(5)	26.5(15)		2452 21466.85(3)	43.4(10)	
2423 21495.07(4)	29.9(15)		2453 21466.05(4)	18.6(10)	
2424 21494.04(4)	39.8(13) 21494.03		2454 21465.09(3)	45.3(10)	
2425 21493.37(8)	14.5(16)	S+ GK-2B (1-0) R5	2455 21464.07(3)	50.5(10)	S+ 3E-2B (3-5) P3
2426 21492.81(3)	71.9(17)		2456 21462.82(7)	7.0(10)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2457 21461.49(7)	10.7(12)		2487 21437.63(5)	18.4(6)	
2458 21460.88(6)	14.3(12)		2488 21436.76(5)	47.3(15)	21436.75
2459 21460.22(4)	40.3(12)		2489 21436.31(5)	34.3(14)	
2460 21459.51(2)	1905.0(18)	21459.49	2490 21435.54(4)	148.7(6)	21435.54
2461 21458.69(4)	26.8(11)		2491 21434.77(6)	23.2(13)	
2462 21457.95(3)	132(3)	21457.97	2492 21434.27(4)	166.4(12)	21434.33
2463 21457.55(4)	63(3)		2493 21433.61(6)	17.3(7)	
2464 21456.33(4)	25.8(10)		2494 21432.78(6)	11.6(6)	
2465 21455.43(2)	237.9(10)	21455.45	2495 21431.99(5)	25.8(7)	21432.03
2466 21453.59(4)	21.3(9)	21453.57	2496 21431.33(8)	8.9(7)	
2467 21452.65(3)	86.5(15)		2497 21430.68(8)	7.4(7)	
2468 21452.12(4)	31.3(13)		2498 21429.70(5)	61.9(16)	21429.73
2469 21451.52(3)	43.5(12)	21451.52	2499 21429.27(8)	12.6(15)	
2470 21450.59(2)	742.0(10)	21450.57	2500 21428.48(8)	5.4(6)	
2471 21449.76(2)	189.1(9)	21449.74	2501 21427.44(4)	114.5(6)	21427.48
2472 21448.89(3)	34.8(9)		2502 21426.67(4)	76.9(6)	21426.73
2473 21448.20(3)	124.9(10)	21448.20	2503 21425.72(6)	11.3(6)	
2474 21447.59(5)	15.0(11)		2504 21425.01(6)	12.0(6)	
2475 21446.71(4)	22.9(9)		2505 21424.27(5)	25.4(6)	
2476 21445.90(2)	1002.4(12)	21445.88	2506 21423.57(6)	15.0(6)	
2477 21445.14(4)	22.0(9)		2507 21422.73(5)	32.5(6)	
2478 21444.24(3)	75.9(19)	21444.25	2508 21421.99(5)	40.3(12)	
2479 21443.78(3)	84.5(18)	21443.75	2509 21421.51(5)	33.7(12)	
2480 21442.97(6)	8.2(9)		2510 21417.82(5)	62.8(12)	
2481 21442.00(2)	229.1(11)	21442.00	2511 21417.24(4)	77.6(11)	
2482 21441.40(4)	37.3(11)	21441.42	2512 21416.46(4)	403.3(10)	21416.45
2483 21440.74(4)	24.6(11)		2513 21415.51(4)	534.6(10)	21415.49
2484 21440.14(3)	50.1(11)	21440.14	2514 21414.62(7)	22.0(19)	
2485 21439.16(7)	10.4(7)		2515 21414.15(7)	20.3(18)	
2486 21438.56(4)	29.4(8)	21438.55	2516 21413.45(4)	289.2(10)	21413.45

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
2517 21411.76(6)	18.9(9)			2546 21383.26(4)	267(5)	21383.28	S- 3E-2B (1-2) Q4
2518 21410.94(6)	16.0(9)			2547 21382.94(4)	166(5)	21382.95	S+ GK-2B (1-0) P2
2519 21409.88(5)	25.9(10)			2548 21381.74(4)	332.6(8)	21381.77	S- 3E-2B (0-1) Q13
2520 21409.22(7)	13.8(10)			2549 21380.73(4)	62.2(7)	21380.76	
2521 21408.33(5)	42.0(9)	21408.34	<b>T- 4c-2a (4-4) Q5</b>	2550 21379.89(7)	7.6(7)		
2522 21405.25(5)	43.0(9)	21405.17	S+ GK-2B (7-5) R0	2551 21378.63(5)	41.9(14)		
2523 21404.14(7)	15.6(14)			2552 21378.16(5)	59.5(14)		S- 3F-2B (0-1) Q6
2524 21403.61(5)	51.5(13)	21403.71	S+ GK-2B (7-5) R1	2553 21377.09(6)	13.7(9)		
2525 21402.96(4)	125.1(14)	21402.90	S+ 3E-2B (1-2) R1	2554 21376.50(5)	27.1(9)	21376.45	
			S+ 3F-2B (0-1) R4	2555 21374.85(5)	34.0(7)	21374.91	
			<b>T+ 4c-2a (4-4) P2</b>	2556 21372.57(6)	11.6(6)		
2526 21402.41(7)	29.4(17)			2557 21371.55(7)	8.9(6)		
2527 21401.94(7)	20(2)			2558 21370.56(7)	11.0(6)		
2528 21399.30(7)	20.6(17)			2559 21369.50(6)	16.3(7)		
2529 21398.82(7)	19.4(16)			2560 21368.65(7)	9.6(7)		
2530 21398.05(4)	95.0(9)	21398.04		2561 21367.49(6)	21.3(10)		T+ 4c-2a (4-4) P3
2531 21396.95(4)	225.0(8)	21396.92		2562 21366.83(5)	73.8(10)	21366.75	
2532 21396.13(5)	46.4(15)			2563 21365.92(7)	18.1(9)		
2533 21395.64(5)	61.5(16)	21395.61		2564 21365.14(6)	25.0(9)		S+ EF-2B (32-3) P4
2534 21394.48(5)	30.4(7)	21394.47		2565 21364.37(9)	8.8(9)		
2535 21393.43(6)	12.3(7)			2566 21363.47(7)	23.1(15)		
2536 21392.70(4)	53.0(7)	21392.72		2567 21362.91(5)	49.4(16)	21362.93	
2537 21391.30(6)	13.9(7)			2568 21361.76(9)	11.1(13)		
2538 21390.46(4)	196.7(7)	21390.42	S+ 3E-2B (1-2) P6	2569 21361.09(7)	37.4(16)		T- 4c-2a (4-4) Q7
2539 21389.39(7)	7.1(7)			2570  <b>21360.50(8)</b>	31.0(16)		<b>T- 4c-2a (4-4) Q7</b>
2540 21387.96(6)	17.2(8)			2571 21359.88(5)	84.4(16)	21359.89	
2541 21387.28(6)	17.5(8)			2572 21358.86(5)	98.3(17)		
2542 21386.47(4)	64.2(7)	21386.46	<b>T- 4c-2a (4-4) Q6</b>	2573 21358.28(4)	359.2(19)	21358.27	S- 3E-2B (1-2) Q3
2543 21385.72(4)	101.2(7)	21385.69		2574 21357.10(6)	22.6(10)		
2544 21384.86(9)	5.8(7)			2575 21356.40(5)	59.6(10)	21356.43	S+ 3E-2B (1-2) R0
2545 21384.14(6)	16.1(8)						

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2576 21355.59(6)	24.4(9)		2605 21326.89(8)	15.7(11)	
2577 21354.73(5)	50.9(9)		2606 21326.14(6)	33.3(9)	21326.14
2578 21353.85(5)	35.1(8)		2607 21325.10(6)	22.6(9)	21325.14
2579 21352.80(6)	17.7(8)		2608 21324.31(6)	31.5(9)	
2580 21351.80(5)	82.4(16)		2609 21323.49(6)	29.4(9)	21323.44
2581 21351.22(4)	277.8(16)		2610 21322.65(8)	12.5(8)	
2582 21350.51(4)	106.2(11)	S+ 3E-2B (1-2) P5	2611 21321.69(7)	13.9(8)	
2583 21349.37(6)	15.6(8)		2612 21320.78(7)	13.3(8)	
2584 21348.33(5)	68.1(18)		2613 21319.62(6)	44.3(12)	21319.60
2585 21347.79(4)	251.2(19)	S- 3F-2B (3-6) Q4	2614 21319.02(7)	26.0(11)	21319.04
		S+ GK-2B (1-0) P3	2615 21318.29(7)	17.9(9)	
2586 21346.62(6)	18.6(8)		2616 21317.37(8)	11.1(8)	
2587 21345.77(6)	17.8(9)		2617 21316.49(7)	13.7(8)	
2588 21344.78(5)	46.9(8)		2618 21315.57(6)	29.7(8)	21315.60
2589 21343.87(6)	21.7(9)		2619 21314.65(7)	22.0(9)	21314.75
2590 21343.12(5)	34.7(9)		2620 21313.87(5)	155.2(9)	21313.88
2591 21342.21(9)	11.0(10)		2621 21312.87(10)	10.4(15)	
2592 21341.50(6)	25.6(10)		2622 21312.34(7)	35.9(14)	21312.23
2593 21340.68(6)	37.3(15)		2623 21311.44(5)	278.9(11)	21311.50
2594 21340.11(4)	135.9(17)		2624 21310.91(5)	180.9(14)	21310.92
2595 21338.29(8)	7.3(7)		2625 21309.84(8)	17.7(12)	
2596 21337.32(6)	12.4(7)		2626 21309.26(6)	33.0(12)	21309.39
2597 21333.66(7)	13.9(8)		2627 21308.37(7)	14.5(8)	
2598 21332.53(6)	35.1(8)		2628 21307.50(7)	18.2(8)	21307.39
2599 21331.53(6)	25.2(8)		2629 21306.65(6)	20.9(8)	21306.66
2600 21330.65(5)	190.1(9)		2630 21305.84(7)	12.1(8)	
2601 21329.83(9)	9.8(10)	S+ 3E-2B (1-2) P4	2631 21304.90(7)	13.3(8)	
2602 21329.13(9)	10.5(10)	S+ EF-2B (32-3) P5	2632 21303.99(6)	23.2(8)	21304.00
2603 21328.28(5)	352.6(12)	T+ 4c-2a (4-4) P4	2633 21303.24(8)	10.4(8)	
2604 21327.52(9)	14.6(11)		2634 21302.18(7)	16.3(8)	

S+ GK-2B (1-0) P12

S+ GK-2B (1-0) P4

S+ 3E-2B (1-2) P3

S+ 3F-2B (0-1) R3

S- 3F-2B (3-6) Q3

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2635 21301.39(5)	85.8(8) 21301.40	S+ 3E-2B (1-2) P2	2665 21275.97(8)	8.7(7)	
2636 21300.62(6)	32.6(8)	S+ GK-2B (7-5) P5	2666 21275.34(7)	12.8(7)	
2637 21299.58(8)	9.9(8)		2667 21274.22(7)	8.7(7)	
2638 21298.44(5)	91.9(8) 21298.42	S- 3F-2B (0-1) Q5	2668 21272.46(8)	6.3(7)	
2639 21296.88(11)	5.8(9)		2669 21271.44(7)	9.5(7)	
2640 21296.20(7)	24.3(11) 21296.26		2670 21270.00(8)	6.8(7)	
2641 21295.63(9)	13.1(11)		2671 21268.96(8)	6.8(7)	
2642 21294.97(8)	12.9(9)		2672 21268.00(6)	13.9(7)	S+ 3F-2B (3-6) P5
2643 21294.29(8)	10.8(9)		2673 21267.27(6)	14.4(7)	
2644 21293.26(5)	195.9(8) 21293.25		2674 21266.42(6)	22.8(7) 21266.36	
2645 21292.21(6)	40.9(8) 21292.18		2675 21265.56(4)	113.5(8) 21265.56	S+ WY-2B (0-0) R2 S+ 3F-2B (0-1) P7
2646 21291.22(7)	39(4) 21291.23				
2647 21290.86(13)	16(4)		2676 21264.53(8)	7.6(7)	
2648 21290.27(11)	11.8(13)		2677 21263.69(7)	10.1(7)	
2649 21289.68(8)	13.7(11)		2678 21262.86(4)	106.5(8) 21262.86	S+ GK-2B (1-0) P6
2650 21288.82(5)	304.0(9) 21288.83		2679 21261.95(8)	8.2(7)	
2651 21287.80(9)	7.7(8)		2680 21261.08(5)	56.7(7) 21261.08	S+ GK-2B (1-0) P10
2652 21286.91(6)	40.4(17) 21286.90		2681 21260.23(8)	8.7(8)	
2653 21286.42(8)	29.2(14) 21286.43	<b>T+ 4c-2a (4-4) P5</b>	2682 21259.53(9)	8.0(8)	
2654 21285.90(8)	17.6(15)	<b>T+ 4c-2a (5-5) R0</b>	2683 21258.71(6)	21.3(7) 21258.75	S+ WY-2B (0-0) R0
2655 21284.91(5)	437.1(8) 21284.92	S+ GK-2B (1-0) P5	2684 21257.95(7)	15.4(8) 21257.91	<b>T- 4c-2a (5-5) Q1</b>
2656 21283.77(5)	59.4(8) 21283.72	S+ GK-2B (1-0) P11	2685 21257.28(9)	9.5(8) 21257.29	
2657 21283.16(6)	22.9(8) 21283.12		2686 21256.58(13)	4.3(8)	
2658 21281.99(7)	16.1(8) 21281.91		2687 21255.79(11)	4.2(7)	
2659 21281.36(8)	11.6(8) 21281.29		2688 21254.57(4)	77.8(5) 21254.59	S- 3E-2B (4-7) Q7
2660 21280.71(9)	8.2(7)		2689 21253.71(5)	23.9(5) 21253.77	
2661 21279.89(5)	197.1(7) 21279.95	S+ WY-2B (0-0) R1	2690 21252.79(8)	6.1(5)	
2662 21279.15(10)	5.5(7)		2691 21252.05(7)	8.5(6)	
2663 21277.65(10)	5.4(7)		2692 21251.37(5)	20.9(5) 21251.31	
2664 21277.02(9)	7.8(7)	S- 3E-2B (0-1) Q12	2693 21250.50(4)	194.7(6) 21250.54	T- 4c-2a (5-5) Q2

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2694 21249.88(5)	28.4(6) 21249.98	S+ GK-2B (1-0) P7 S+ 3E-2B (0-1) R6 S+ GK-2B (1-0) P9	2722 21227.55(4)	129.9(7) 21227.66	S- 3E-2B (2-4) Q8
2695 21248.89(4)	175.8(5) 21248.87		2723 21226.72(5)	22.1(6) 21226.77	
2696 21247.70(4)	100.1(10) 21247.71		2724 21225.35(5)	35.1(6) 21225.33	
2697 21247.24(10)	5.2(10)		2725 21224.56(7)	9.2(6)	
2698 21245.90(9)	4.1(5)	S 3A-2B (2-5) P1 S+ GK-2B (1-0) P8	2726 21223.44(8)	6.0(6)	S+ GK-2B (8-6) R1
2699 21245.09(8)	6.3(5)		2727 21222.29(6)	12.7(6) 21222.33	
2700 21244.40(7)	8.5(6)		2728 21221.20(7)	8.2(7)	
2701 21243.67(5)	68(2) 21243.67		2729 21220.54(5)	23.6(7) 21220.48	
2702 21243.30(5)	71(2) 21243.30	<b>T+ 4c-2a (4-4) P6</b>  <b>T- 4c-2a (5-5) Q3</b>	2730 21219.54(8)	5.6(6)	S- 3F-2B (1-3) Q7
2703 21242.54(8)	7.6(6)		2731 21218.73(6)	14.1(6) 21218.74	
2704 21241.88(5)	43.0(6) 21241.83		2732 21217.70(5)	29.0(6) 21217.70	
2705 21240.16(12)	3.7(8)		2733 21216.66(7)	6.9(6)	
2706 21239.64(6)	16.8(8) 21239.64	S 3A-2B (2-5) P2 S 3A-2B (2-5) P3 S 3A-2B (2-5) P5 S 3A-2B (2-5) P4	2734 21215.71(5)	54.8(6) 21215.72	S- 3E-2B (4-7) Q6
2707 21238.83(5)	41.6(5) 21238.83		2735 21214.50(6)	11.7(6) 21214.52	
2708 21238.08(6)	10.1(5)		2736 21213.71(5)	17.4(6) 21213.73	
2709 21237.25(6)	9.6(5)		2737 21212.60(6)	13.9(6) 21212.57	
2710 21236.42(9)	4.4(5)	S+ 3F-2B (0-1) R2	2738 21211.72(6)	10.0(6)	<b>T+ 4c-2a (5-5) P2</b>
2711 21235.59(9)	4.6(5)		2739 21210.75(4)	66.2(6) 21210.71	
2712 21234.81(5)	42.1(5) 21234.76		2740 21209.65(6)	15.4(7) 21209.64	
2713 21234.12(4)	104.9(6) 21234.07		2741 21208.92(5)	24.0(7) 21208.96	
2714 21233.32(8)	6.8(6)	S- 3F-2B (0-0) P2	2742 21208.20(5)	31.5(7) 21208.32	S+ WY-2B (0-0) P2
2715 21232.62(6)	29.1(12) 21232.54		2743 21207.36(5)	17.2(6) 21207.39	
2716 21232.17(7)	14.9(13)		2744 21205.87(5)	27.7(10) 21205.80	
2717 21231.42(8)	5.5(5)		2745 21205.29(5)	49.3(10) 21205.32	
2718 21230.36(4)	327.0(10) 21230.34	S- 3F-2B (0-1) Q4	2746 21203.84(8)	6.1(6)	S+ 3E-2B (4-7) Q6
2719 21229.70(5)	44.9(8)		2747 21203.05(7)	8.9(6)	
2720 21229.03(8)	9.8(7)		2748 21202.09(5)	18.9(6) 21202.07	
2721 21228.37(8)	8.7(7)		2749 21200.92(5)	74(4)	
			2750 21200.57(9)	21(4)	
			2751 21199.71(4)	113.9(7) 21199.68	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
2752 21198.86(4)	52.3(6)	21198.91	S+ 3F-2B (0-1) P6	2782 21174.30(8)	4.3(5)		S- 3F-2B (0-1) Q3
2753 21197.86(10)	4.2(6)			2783 21173.23(5)	41(2)	21173.20	
2754 21197.15(11)	2.7(5)			2784 21172.84(9)	15.4(19)		
2755 21196.18(6)	7.5(5)			2785 21172.27(4)	230.8(11)	21172.25	
2756 21195.20(6)	11.3(5)			2786 21171.29(6)	12.9(7)		
2757 21194.39(7)	14.8(13)			2787 21170.68(6)	10.3(7)		
2758 21193.93(6)	23.8(11)	21193.94		2788 21169.67(4)	291.7(7)	21169.62	
2759 21193.32(7)	9.9(7)			2789 21168.83(4)	116.7(6)	21168.82	
2760 21192.61(7)	8.3(6)			2790 21167.98(6)	14.0(8)		
2761 21191.87(7)	7.0(6)			2791 21167.39(7)	15.5(8)	21167.38	
2762 21191.13(7)	7.1(6)		S- 3E-2B (0-1) Q11 S- 4E-2C (3-1) Q1	2792 21166.78(6)	28.6(16)	21166.78	S- 3E-2B (2-4) Q7 T+ 4c-2a (5-5) P3 S+ 3F-2B (0-1) R1 S+ EF-2B (29-2) R0 S- 4E-2C (3-1) Q2 S+ EF-2B (29-2) R1
2763 21190.11(4)	32.8(5)	21190.12		2793 21166.30(6)	36.4(14)	21166.27	
2764 21188.58(4)	121.5(5)	21188.60		2794 21165.84(12)	7.6(18)		
2765 21187.55(5)	13.3(5)			2795 21165.09(5)	34.3(8)	21165.07	
2766 21186.61(4)	474.0(9)	21186.62		2796 21164.46(7)	24.9(19)		
2767 21185.94(5)	35.4(7)			2797 21164.06(7)	16(2)		
2768 21185.32(10)	6.1(7)			2798 21163.23(4)	118.5(6)	21163.20	
2769 21184.74(4)	74.0(7)	21184.76		2799 21162.14(6)	7.8(5)		
2770 21184.06(7)	6.7(6)			2800 21161.39(6)	11.2(8)		
2771 21182.86(5)	11.6(5)		S+ GK-2B (8-6) P1	2801 21160.83(5)	19.4(8)	21160.83	S+ EF-2B (29-2) R2 S+ 3E-2B (2-4) R3 S+ 3E-2B (0-1) R5
2772 21181.91(7)	7.9(6)			2802 21160.09(6)	8.6(5)		
2773 21181.28(7)	9.8(6)			2803 21159.30(6)	10.4(7)		
2774 21180.66(6)	12.0(6)			2804 21158.71(8)	7.8(7)		
2775 21179.71(6)	9.4(6)			2805 21157.98(8)	4.9(5)		
2776 21179.03(7)	6.3(6)			2806 21157.15(5)	13.7(5)		
2777 21177.80(9)	3.7(5)			2807 21156.41(4)	25.2(7)	21156.40	
2778 21177.01(7)	7.9(7)			2808 21155.84(3)	82.6(8)	21155.90	
2779 21176.39(6)	21.2(9)			2809 21154.95(5)	17.4(6)	21154.94	
2780 21175.87(5)	30.4(9)			2810 21154.31(7)	6.5(6)		
2781 21175.26(7)	7.7(7)			2811 21153.45(6)	8.8(5)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2812 21152.76(7)	6.8(6)		2842 21130.94(3)	50.0(6)	
2813 21152.04(4)	27.6(5)		2843 21130.23(5)	11.1(6)	
2814 21150.71(4)	25.8(5)		2844 21129.42(4)	34.3(6)	
2815 21150.00(5)	13.1(5)				
2816 21149.00(5)	18.9(10)		2845 21128.79(4)	54.2(8)	
2817 21148.52(7)	8.9(10)		2846 21128.27(3)	78.9(9)	
2818 21147.25(5)	14.6(10)		2847 21127.55(4)	31.5(6)	
2819 21146.73(6)	15.5(8)		2848 21126.28(6)	13.5(12)	
2820 21146.09(3)	78.6(7)		2849 21125.81(5)	24.8(10)	
2821 21145.02(5)	9.4(5)		2850 21125.32(7)	9.5(11)	
2822 21144.15(4)	35.7(5)		2851 21124.61(5)	15.1(6)	
2823 21143.64(10)	8.8(10)		2852 21123.98(3)	66.8(6)	
2824 21143.13(8)	10.1(10)		2853 21123.34(5)	12.9(6)	
2825 21142.52(4)	83.8(9)		2854 21122.69(10)	4.0(6)	
2826 21141.97(6)	19.2(12)		2855 21122.08(10)	3.9(6)	
2827 21141.48(11)	9.5(11)		2856 21121.29(4)	31.1(6)	
2828 21140.94(7)	26(3)		2857 21120.50(6)	7.1(5)	
2829 21140.58(7)	17(3)		2858 21119.61(3)	185.1(6)	
2830 21139.85(7)	5.7(6)		2859 21118.83(3)	114.1(8)	
2831 21138.77(3)	88.0(10)		2860 21118.06(5)	12.3(6)	
2832 21138.30(6)	16.4(9)		2861 21117.29(6)	8.6(7)	
2833 21137.60(3)	564.8(9)		2862 21116.72(11)	3.5(7)	
2834 21136.76(4)	16.5(6)		2863 21115.91(4)	28.1(7)	
2835 21136.09(8)	7.6(8)				
2836 21135.52(10)	8.4(13)		2864 21114.79(4)	27.1(8)	
2837 21135.05(6)	27.9(12)		2865 21114.04(6)	12.7(8)	
2838 21134.54(16)	4.9(10)		2866 21113.35(7)	10.3(9)	
2839 21134.03(13)	4.4(11)		2867 21112.75(5)	15.0(10)	
2840 21133.34(6)	10.2(6)		2868 21111.28(4)	35.7(9)	
2841 21132.72(6)	7.0(6)		2869 21110.60(3)	303.4(10)	

S- 3F-2B (0-1) Q2  
**T+ 4c-2a (5-5) P4**  
S+ WY-2B (0-0) P4  
S- 3E-2B (4-7) Q4  
  
S+ 3E-2B (4-7) R1

S- 3E-2B (2-4) Q6  
S+ EF-2B (29-2) R4

S+ GK-2B (8-6) P4  
S 3A-2B (3-7) R2  
S+ 3E-2B (0-1) P10

S+ GK-2B (0-0) R1



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2870 21109.94(4)	60.2(9) 21109.98		2899 21089.86(4)	33.7(5) 21089.86	<b>T+ 4c-2a (5-5) P5</b>
2871 21108.61(3)	63.7(7) 21108.56		2900 21088.81(7)	8.0(7)	
2872 21107.68(8)	6.9(8)		2901 21088.25(5)	23.6(7)	
2873 21107.02(5)	15.7(8) 21107.09		2902 21087.49(7)	8.7(6)	
2874 21106.13(8)	5.4(7)		2903 21086.85(7)	10.5(7)	
2875 21105.42(8)	6.6(6)		2904 21086.27(6)	18.4(7) 21086.24	S+ GK-2B (0-0) R3
2876 21104.73(6)	12.6(6)	S+ GK-2B (0-0) R2	2905 21085.63(8)	7.4(6)	
2877 21104.01(7)	15.4(18)		2906 21084.88(8)	6.6(6)	S 3A-2B (3-7) R1
2878 21103.62(5)	64.0(19) 21103.61		2907 21084.19(4)	76.2(6) 21084.16	
2879 21102.71(5)	42.3(9) 21102.66	S+ 3E-2B (2-4) R2	2908 21083.17(5)	17.8(7) 21083.13	
2880 21102.17(4)	292.5(10) 21102.15	S- 3E-2B (0-1) Q10	2909 21082.53(5)	17.4(7) 21082.57	S+ GK-2B (0-0) P1 S- 3E-2B (4-7) Q2
2881 21101.61(7)	15.3(9)		2910 21081.13(9)	4.1(6)	
2882 21100.97(4)	265.1(10) 21101.00	S+ 3F-2B (0-1) P4	2911 21080.41(5)	17.3(6)	
2883 21100.38(4)	147.8(18) 21100.40	S- 3E-2B (4-7) Q3	2912 21079.48(4)	64.5(7) 21079.55	S- 3E-2B (2-4) Q5
			2913 21078.87(6)	15.7(7)	
2884 21099.97(6)	29(2) 21100.01		2914 21077.99(4)	135.4(6) 21078.06	
2885 21099.28(8)	9.1(7)		2915 21077.30(4)	389.6(8) 21077.34	S+ EF-2B (29-2) P3 S+ 3F-2B (0-1) P3
2886 21098.70(8)	9.5(7)		2916 21076.51(6)	13.0(7)	
2887 21098.07(4)	160.5(11) 21098.09		2917 21075.83(5)	19.4(6) 21075.87	
2888 21097.56(6)	33.5(11) 21097.64		2918 21074.94(5)	21.6(6) 21074.87	S- 3E-2B (0-1) P3
2889 21097.07(7)	14.7(12)	S+ 3E-2B (4-7) R0	2919 21073.38(5)	13.6(6) 21073.38	
2890 21096.34(5)	49(2) 21096.30		2920 21072.57(4)	42.1(6) 21072.60	
2891 21095.97(9)	12(2)		2921 21071.83(4)	63.4(10) 21071.80	S- 3E-2B (4-7) Q1
2892 21095.03(4)	355.3(8) 21095.06	S+ GK-2B (3-2) R5	2922 21071.34(8)	8.9(10)	
2893 21094.37(5)	32.8(7)		2923 21070.57(5)	30.8(6) 21070.50	
2894 21093.71(5)	41.0(6) 21093.71	S- 5E-2B (0-10) Q1	2924 21069.42(4)	82.8(6) 21069.41	S- 3E-2B (4-7) Q1
2895 21093.07(6)	16.0(6)		2925 21067.97(6)	8.4(6)	
2896 21092.43(7)	11.2(7)		2926 21067.16(7)	8.6(8)	
2897 21091.88(7)	11.9(8)		2927 21066.61(5)	41.2(8) 21066.61	S- 3E-2B (4-7) Q1
2898 21091.14(5)	13.1(5)		2928 21065.66(4)	79.4(6) 21065.64	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2929 21064.77(4)	38.6(6) 21064.75	S+ 3E-2B (0-1) R4 S+ GK-2B (3-2) R4  <b>T- 4c-2a (6-6) Q1</b> S 3A-2B (3-7) R0 S+ WW-2B (0-0) R4	2957 21039.13(12)	5.6(13)	S 3A-2B (3-7) P1  S+ GK-2B (3-2) R2 S+ 3E-2B (0-1) P9  <b>T- 4c-2a (6-6) Q4</b> S+ GK-2B (3-2) R1 S+ EF-2B (29-2) P4  S- 3E-2B (0-1) Q9  S- 4E-2B (0-7) Q5 S 3A-2B (3-7) P5  S+ GK-2B (3-2) R0
2930 21063.94(4)	82.3(13) 21063.92		2958 21037.99(7)	13.9(13)	
2931 21063.40(6)	72(6) 21063.39		2959 21036.47(5)	51.4(16) 21036.44	
2932 21063.10(5)	108(7) 21063.13		2960 21035.80(5)	134(6) 21035.74	
2933 21062.48(5)	21.6(9) 21062.52		2961 21035.38(4)	510(6) 21035.37	
2934 21061.59(7)	7.4(6)	<b>T- 4c-2a (6-6) Q1</b> S 3A-2B (3-7) R0 S+ WW-2B (0-0) R4	2962 21034.29(7)	13.7(13)	<b>T- 4c-2a (6-6) Q4</b> S+ GK-2B (3-2) R1 S+ EF-2B (29-2) P4  S- 3E-2B (0-1) Q9  S- 4E-2B (0-7) Q5 S 3A-2B (3-7) P5  S+ GK-2B (3-2) R0
2935 21059.83(5)	31.8(13) 21059.86		2963 21033.36(8)	11.1(13)	
2936 21059.36(7)	15.2(13)		2964 21030.81(11)	3.4(7)	
2937 21058.23(6)	14.2(7)		2965 21029.68(4)	177.7(8) 21029.67	
2938 21057.17(4)	126.9(7) 21057.18		2966 21029.04(4)	304.4(8) 21029.04	
2939 21055.97(4)	39.4(7) 21055.90	<b>T- 4c-2a (6-6) Q2</b>  S- 3F-2B (1-3) Q5 S+ 3E-2B (2-4) R1 S+ GK-2B (0-0) P2  S+ 3E-2B (4-7) P2 S+ 3E-2B (4-7) P3  S+ GK-2B (3-2) R3 S- 3E-2B (2-4) Q4	2967 21028.26(4)	68.2(8) 21028.33	S- 3E-2B (0-1) Q9  S- 4E-2B (0-7) Q5 S 3A-2B (3-7) P5  S+ GK-2B (3-2) R0
2940 21055.10(8)	7.6(7)		2968 21027.59(4)	34.8(8)	
2941 21054.36(6)	16.0(7)		2969 21026.61(4)	700.2(9) 21026.63	
2942 21053.64(7)	9.6(7)		2970 21025.81(5)	15.9(8)	
2943 21052.50(5)	47(2) 21052.41		2971 21024.30(4)	156.1(7) 21024.30	
2944 21052.05(4)	116(2) 21052.06	S+ GK-2B (0-0) P2  S+ 3E-2B (4-7) P2 S+ 3E-2B (4-7) P3  S+ GK-2B (3-2) R3 S- 3E-2B (2-4) Q4	2972 21022.90(6)	53(8)	S- 3E-2B (0-1) Q9  S- 4E-2B (0-7) Q5 S 3A-2B (3-7) P5  S+ GK-2B (3-2) R0
2945 21051.12(5)	36.0(10) 21051.11		2973 21022.65(5)	85(8)	
2946 21049.64(6)	23.5(13)		2974 21021.51(6)	14.3(10)	
2947 21048.53(5)	45.3(13) 21048.63		2975 21020.98(4)	83.4(10) 21020.99	
2948 21046.30(5)	51.9(18)		2976 21020.27(4)	71.2(8) 21020.24	
2949 21045.73(6)	25.7(18)	S+ GK-2B (3-2) R3 S- 3E-2B (2-4) Q4	2977 21019.56(4)	116(3) 21019.56	S- 3E-2B (2-4) Q3 S+ GK-2B (0-0) P3
2950 21044.76(5)	34.1(14)		2978 21019.20(5)	54(3)	
2951 21043.93(4)	410(9) 21043.96		2979 21017.77(9)	6.0(8)	
2952 21043.61(4)	297(9) 21043.64		2980 21017.11(8)	9.3(9)	
2953 21042.57(4)	200.6(14) 21042.58		2981 21016.54(6)	21.4(9)	
2954 21041.61(6)	29.1(15) 21041.65	S- 3E-2B (2-4) Q4	2982 21015.88(5)	37.2(9)	S- 3E-2B (2-4) Q3 S+ GK-2B (0-0) P3
2955 21040.95(10)	10.5(15)		2983 21015.23(4)	390.0(11) 21015.22	
2956 21040.16(6)	19.7(13)		2984 21014.63(8)	16.9(15)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
2985 21014.19(4)	69.4(18) 21014.17		3015 20986.94(5)	36.4(7) 20986.97	
2986 21013.42(6)	14.5(8)		3016 20986.22(6)	20.7(7)	
2987 21012.40(5)	16.7(7)		3017 20985.55(6)	18.0(8)	
2988 21011.40(8)	5.7(7)		3018 20984.94(6)	13.7(8)	
2989 21010.53(6)	11.2(7)		3019 20983.62(5)	60.2(11) 20983.62	
2990 21009.15(4)	79.0(8) 21009.10		3020 20983.06(6)	40.9(18) 20983.08	S+ GK-2B (4-3) R1
2991 21008.39(4)	41.4(8)	S+ 3E-2B (2-4) R0	3021 20982.64(5)	126(2) 20982.65	S+ 3E-2B (2-4) P4
2992 21007.66(5)	24.4(8) 21007.68		3022 20981.65(4)	222.1(7) 20981.65	S- 3E-2B (2-4) Q1
2993 21006.80(7)	7.3(7)		3023 20980.21(8)	7.3(9)	
2994 21005.98(5)	31.2(8) 21005.99		3024 20978.98(5)	48.6(9) 20979.00	S+ 3E-2B (0-1) R3
2995 21005.31(7)	17.6(11)	S 3A-2B (3-7) P4	3025 20978.05(5)	23.0(9)	
2996 21004.80(7)	13.2(12)	S 3A-2B (3-7) P3	3026 20977.20(6)	19.4(9)	
2997 21003.96(5)	19.5(7) 21003.94		3027 20976.37(6)	16.4(9)	
2998 21002.48(4)	254.9(8) 21002.47	S+ 3E-2B (2-4) P5	3028 20975.51(4)	308.4(10) 20975.51	S+ 3E-2B (0-1) P8
2999 20999.49(5)	45.4(16) 20999.45	S+ GK-2B (4-3) R2	3029 20974.61(6)	14.5(9) 20974.62	
3000 20999.06(4)	102.3(16) 20999.04		3030 20973.82(6)	15.9(9)	
3001 20997.71(5)	26.2(7) 20997.71		3031 20972.98(7)	10.7(9)	
3002 20996.90(7)	19.2(13)		3032 20971.64(8)	8.9(9) 20971.69	
3003 20996.41(6)	22.5(12)		3033 20970.82(5)	32.1(10) 20970.74	S+ GK-2B (9-7) R2
3004 20995.71(6)	14.8(7)		3034 20970.15(4)	283.6(11) 20970.13	
3005 20994.95(4)	151.4(7) 20994.98	S- 3E-2B (2-4) Q2	3035 20969.28(5)	70.6(12) 20969.32	S+ GK-2B (9-7) R3
3006 20994.04(7)	8.5(7)		3036 20968.71(5)	60.0(12) 20968.67	S+ GK-2B (9-7) R1
3007 20993.33(6)	19.4(7) 20993.28		3037 20968.11(7)	16.3(11) 20968.11	S+ GK-2B (0-0) P4
3008 20992.66(6)	20.4(7) 20992.61		3038 20966.47(5)	67(2)	
3009 20991.89(6)	16.4(7) 20991.85		3039 20966.02(4)	321(2) 20966.00	S+ 3E-2B (2-4) P3
3010 20991.27(9)	6.3(7)				S+ GK-2B (3-2) P2
3011 20990.33(4)	102.3(6) 20990.37	S+ GK-2B (3-2) P1	3040 20964.80(5)	57.0(9) 20964.81	
3012 20989.49(6)	14.6(6)		3041 20963.93(6)	18.4(9)	
3013 20988.37(7)	11.3(8)		3042 20962.92(5)	35.3(9) 20962.91	
3014 20987.79(7)	11.2(8)		3043 20961.08(6)	13.4(9)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3044 20960.06(4)	422(2) 20960.06	S- 3E-2B (0-1) Q8	3074 20933.12(4)	35.4(13) 20933.12	S+ GK-2B (9-7) P1
3045 20959.58(6)	27.3(19) 20959.73		3075 20932.54(5)	16.3(8)	
3046 20956.63(5)	44.3(6) 20956.61	S+ 3E-2B (2-4) P2	3076 20931.86(5)	25(3)	
3047 20955.34(9)	5.2(7)		3077 20931.51(7)	12(3)	
3048 20954.70(7)	18.3(10)		3078 20930.61(6)	6.5(6)	
3049 20954.20(10)	6.0(11)		3079 20930.02(4)	12.0(6)	
3050 20953.20(9)	3.7(6)		3080 20928.61(4)	15.7(9)	
3051 20951.43(9)	3.9(6)		3081 20927.92(5)	13.7(10)	
3052 20950.46(6)	17.4(8)		3082 20927.29(6)	12.6(10)	
3053 20949.94(9)	6.3(8)		3083 20926.69(3)	64.5(10) 20926.68	
3054 20948.94(5)	13.8(6) 20948.96		3084 20925.81(5)	12.7(9)	
3055 20947.70(8)	5.4(6)		3085 20925.16(3)	126.0(10) 20925.17	
3056 20946.48(6)	16.0(7)		3086 20924.53(5)	15.5(9)	
3057 20945.92(5)	30.8(7) 20945.83		3087 20923.83(3)	36.8(9) 20923.83	
3058 20945.03(4)	149.3(7) 20944.99		3088 20922.44(5)	10.5(8)	
3059 20944.45(4)	177.4(7) 20944.45		3089 20921.49(8)	7.5(11)	
3060 20943.60(6)	10.5(6)		3090 20920.95(3)	67.3(11)	
3061 20942.91(5)	20.6(6)		3091 20920.15(3)	40.4(10) 20920.19	
3062 20941.91(8)	6.1(6)		3092 20919.54(4)	16.9(10)	
3063 20941.16(5)	26.1(6) 20941.13		3093 20918.77(4)	18.0(9)	
3064 20940.15(4)	60.8(5) 20940.14		3094 20917.72(5)	12.4(8)	
3065 20939.39(5)	13.9(10)		3095 20916.88(3)	24.2(8)	
3066 20938.83(9)	20(5)		3096 20915.79(2)	761.2(11) 20915.80	S+ 3E-2B (0-1) P7 S+ GK-2B (4-3) P2
3067 20938.53(7)	19(6)				
3068 20937.61(2)	159.9(6) 20937.62	S+ GK-2B (3-2) P3	3097 20915.08(5)	13.7(9)	
3069 20936.62(4)	16.3(6)		3098 20914.39(7)	7.3(9)	
3070 20936.01(7)	8.0(7)		3099 20913.71(4)	23.6(10)	S+ GK-2B (9-7) P2
3071 20935.48(3)	38.6(8)	S+ GK-2B (4-3) P1	3100 20913.10(5)	24.5(15)	
3072 20934.50(3)	64.1(5) 20934.52		3101 20912.59(7)	19.4(15)	
3073 20933.54(5)	18.7(17)	S- 3F-2B (1-3) Q3	3102 20912.05(9)	18(3)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3103 20911.67(4)	48(4)	S+ GK-2B (0-0) P5	3133 20888.32(7)	14.8(7)	S+ GK-2B (3-2) P4
3104 20910.94(3)	122.2(9)		3134 20887.57(7)	14.7(7)	
3105 20910.17(5)	14.1(10)		3135 20886.77(7)	11.7(6)	
3106 20909.55(5)	20.8(14)		3136 20885.76(6)	42.9(6)	
3107 20909.07(3)	74.8(15)		3137 20884.94(9)	7.4(7)	
3108 20908.34(3)	96.9(9)	S+ GK-2B (3-2) P4	3138 20884.17(6)	44.6(7)	S+ GK-2B (3-2) P5
3109 20907.63(5)	13.3(9)		3139 20883.22(7)	14.8(7)	
3110 20906.88(3)	35.3(9)		3140 20882.60(8)	16.1(7)	
3111 20906.02(4)	20.8(8)		3141 20881.91(7)	14.6(7)	
3112 20905.18(2)	251.4(11)		3142 20881.03(6)	118.3(14)	
3113 20904.59(4)	26.2(10)	S- 3E-2B (0-1) Q7	3143 20880.58(7)	41.5(14)	S+ GK-2B (4-3) P4
3114 20903.83(4)	24.7(11)		3144 20879.23(9)	7.1(6)	
3115 20903.22(4)	22.2(11)		3145 20878.43(6)	106.5(8)	
3116 20902.48(2)	885.1(14)		3146 20877.84(7)	19.1(8)	
3117 20901.58(5)	13.0(10)		3147 20876.74(8)	10.1(6)	
3118 20900.76(4)	22.0(9)	S+ 3E-2B (0-1) R2	3148 20875.87(6)	62.6(6)	S+ GK-2B (5-4) R4
3119 20899.71(3)	41.2(9)		3149 20875.00(7)	13.8(6)	
3120 20898.82(4)	14.3(9)		3150 20874.33(8)	10.0(6)	
3121 20897.77(6)	8.9(9)		3151 20873.62(6)	43.3(7)	
3122 20896.08(4)	18.2(10)		3152 20873.03(7)	34.1(10)	
3123 20895.30(4)	15.8(10)	S+ GK-2B (4-3) P3	3153 20872.55(6)	90.4(11)	S+ GK-2B (5-4) R4
3124 20894.49(3)	100.0(10)		3154 20871.85(6)	61.4(8)	
3125 20893.76(3)	81.3(10)		3155 20871.31(7)	27.4(8)	
3126 20893.02(3)	105.5(13)		3156 20870.59(6)	97.3(6)	
3127 20892.50(5)	21.3(13)		3157 20869.71(10)	5.5(6)	
3128 20891.70(8)	104(76)	S+ GK-2B (1-1) R11	3158 20869.04(9)	6.5(6)	S+ GK-2B (5-4) R4
3129 20891.55(3)	612(76)	S+ GK-2B (1-1) R11	3159 20868.20(9)	10.2(9)	
3130 20890.86(4)	25.0(12)	S+ GK-2B (9-7) P3	3160 20867.69(8)	12.1(8)	
3131 20890.16(5)	15.0(10)		3161 20867.00(7)	14.6(6)	
3132 20889.41(3)	54.4(10)		3162 20866.11(6)	45.5(6)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3163 20864.95(10)	4.4(6)		3193 20840.37(8)	11.2(9)	
3164 20863.47(6)	87.9(6)	20863.46	3194 20838.99(9)	9.9(8)	
3165 20862.80(8)	9.9(7)		3195 20837.97(8)	10.2(8)	
3166 20862.19(9)	9.1(7)		3196 20836.21(5)	42.9(8)	20836.17
3167 20861.54(9)	13.8(11)		3197 20834.44(8)	8.5(9)	
3168 20861.04(6)	181.0(10)	20861.02	3198 20833.75(7)	10.5(9)	
3169 20860.53(9)	9.1(10)		3199 20832.86(6)	25(2)	
3170 20859.75(6)	372.7(8)	20859.75	3200 20832.45(6)	28(2)	
3171 20858.86(10)	6.4(9)		3201 20831.46(5)	17.7(9)	
3172 20858.36(8)	14.7(9)	20858.31	3202 20830.63(6)	11.5(9)	
3173 20857.41(9)	6.0(6)		3203 20829.42(6)	14.0(10)	
3174 20856.52(8)	9.7(6)		3204 20828.79(7)	13.9(10)	
3175 20855.74(7)	10.4(6)		3205 20828.05(4)	132.7(9)	20828.04
3176 20854.72(8)	9.3(7)		3206 20826.63(4)	64.1(9)	20826.63
3177 20853.98(7)	136(23)		3207 20825.79(5)	18.4(9)	
3178 20853.80(6)	536(23)	20853.81	3208 20822.99(8)	16(2)	
3179 20853.02(7)	14.5(6)		3209 20822.59(7)	22(2)	
3180 20852.12(8)	9.0(6)		3210 20820.74(4)	187.7(9)	20820.76
3181 20851.30(7)	27.2(10)		3211 20820.13(6)	19.6(9)	
3182 20850.81(8)	19.8(9)		3212 20819.51(4)	379.7(9)	20819.52
3183 20850.22(7)	17.4(7)		3213 20818.80(5)	24.4(9)	
3184 20849.62(7)	14.2(7)		3214 20818.16(6)	18.5(9)	
3185 20848.26(11)	6.0(8)		3215 20817.51(4)	447.2(9)	20817.52
3186 20847.07(6)	179.4(9)	20847.05	3216 20816.78(6)	12.6(8)	
3187 20846.07(6)	83.2(8)		3217 20815.92(6)	13.1(8)	
3188 20845.09(6)	98.0(8)	20845.02	3218 20814.55(6)	11.2(8)	
3189 20844.19(6)	112.1(8)	20844.15	3219 20813.70(4)	996.7(10)	20813.72
3190 20842.32(7)	22.4(9)	20842.42			
3191 20841.49(8)	124(29)	20841.48	3220 20812.96(6)	13.4(9)	
3192 20841.29(7)	267(29)	20841.22	3221 20812.32(5)	18.0(9)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3222 20811.47(6)	14.5(8)	S+ 3E-2B (0-1) P5 S- 3F-2B (2-5) Q5	3251 20783.68(3)	25.7(4)	S- 3E-2B (0-1) Q4
3223 20810.66(4)	805.7(9)		3252 20782.86(5)	5.4(4)	
3224 20809.88(6)	14.9(8)		3253 20781.98(2)	279.8(6)	
3225 20808.45(8)	6.7(8)		3254 20781.29(3)	30.3(5)	
3226 20807.50(8)	9.2(11)	S+ GK-2B (5-4) R2	3255 20779.81(6)	4.9(5)	T+ 4d-2c (0-1) R3
3227 20806.98(4)	52.9(11)		3256 20779.20(5)	6.9(5)	
3228 20806.00(5)	21.9(9)		3257 20778.02(5)	7.2(5)	
3229 20805.43(4)	120.7(9)		3258 20777.35(5)	9.0(5)	
3230 20804.74(5)	18.6(8)	S+ GK-2B (5-4) R1	3259 20776.73(6)	4.9(5)	T+ 4d-2c (0-1) Q2
3231 20803.35(4)	35.9(8)		3260 20775.92(3)	25.3(4)	
3232 20802.67(4)	95.3(8)		3261 20775.18(5)	5.1(4)	
3233 20801.91(6)	11.2(8)		3262 20773.61(4)	8.5(5)	
3234 20800.51(5)	17.6(8)	S+ GK-2B (5-4) R0	3263 20772.98(3)	16.7(5)	T+ 4d-2c (0-1) Q6
3235 20799.50(4)	168.2(8)		3264 20772.01(6)	3.7(4)	
3236 20798.14(4)	55.1(12)		3265 20770.88(10)	4.8(14)	
3237 20797.65(6)	14.9(12)		3266 20770.50(11)	4.1(14)	
3238 20796.81(4)	286.7(7)	S+ GK-2B (5-4) R0	3267 20769.71(3)	39.3(8)	T+ 4d-2c (0-1) Q2
3239 20795.95(5)	14.1(6)		3268 20768.93(5)	10.7(8)	
3240 20795.24(7)	6.2(6)		3269 20768.11(3)	155(15)	
3241 20794.28(4)	109.6(6)		3270 20767.89(3)	196(15)	
3242 20793.64(4)	51.0(6)	S- 3E-2B (5-9) Q6	3271 20767.16(3)	32.4(8)	S+ GK-2B (5-4) P1
3243 20791.92(11)	2.8(6)		3272 20766.25(3)	35.6(8)	
3244 20791.15(8)	5.2(6)		3273 20765.53(4)	12.1(8)	
3245 20790.21(6)	13.1(8)		3274 20764.27(2)	84.4(8)	
3246 20789.66(4)	152.4(8)	S- 3E-2B (5-9) Q6	3275 20763.04(3)	27.7(8)	S- 3E-2B (5-9) Q6
3247 20788.89(5)	24.5(6)		3276 20761.59(3)	29.9(11)	
3248 20788.00(5)	17.5(7)		3277 20761.09(4)	19.6(11)	
3249 20787.42(6)	10.8(7)		3278 20759.31(4)	21.4(13)	
3250 20784.39(3)	20.2(4)	S- 3E-2B (0-1) Q3	3279 20758.85(5)	14.2(13)	S- 3E-2B (0-1) Q3
			3280 20757.85(2)	532.6(9)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3281 20757.03(5)	9.3(8)	T+ 4d-2c (1-2) R1	3311 20726.26(7)	3.1(5)	S- 3E-2B (3-6) Q5
3282 20755.31(4)	14.1(8)		3312 20724.97(4)	11.1(7)	
3283 20753.84(4)	11.1(8)		3313 20724.43(2)	188.5(7)	
3284 20751.71(3)	61.4(8)		3314 20723.60(4)	10.2(5)	
3285 20750.52(2)	616.1(9)	S+ GK-2B (1-1) R9	3315 20722.16(3)	19.9(6)	S+ GK-2B (6-5) R2 S- 3E-2B (5-9) Q5 S+ WZ-2B (0-6) R2
3286 20749.60(4)	13.7(8)		3316 20721.25(5)	13.6(11)	
3287 20748.41(2)	68.0(8)		3317 20720.76(4)	31.4(10)	
3288 20746.76(5)	9.9(8)		3318 20719.97(3)	40.9(6)	
3289 20745.48(3)	34.6(5)	S- 3E-2B (1-3) Q9 S+ GK-2B (5-4) P2 S- 3E-2B (0-1) Q2	3319 20718.55(5)	10.9(9)	T+ 4d-2c (0-1) R5
3290 20744.24(4)	8.0(5)		3320 20717.98(4)	27.3(9)	
3291 20743.26(5)	6.8(5)		3321 20717.46(4)	15.3(6)	
3292 20742.41(2)	243.9(8)		3322 20716.17(5)	5.8(4)	
3293 20741.90(3)	45.3(7)	S+ GK-2B (6-5) R4	3323 20715.48(4)	11.3(5)	S+ GK-2B (6-5) R1 S+ 3E-2B (0-1) P2
3294 20740.85(2)	211.8(5)		3324 20714.86(3)	24.7(5)	
3295 20739.93(4)	9.5(5)		3325 20713.98(3)	33.7(4)	
3296 20738.99(5)	6.9(5)		3326 20713.33(2)	122.2(5)	
3297 20738.22(4)	10.0(6)	S+ GK-2B (6-5) R4	3327 20712.49(6)	4.5(4)	S+ GK-2B (6-5) R1 S+ 3E-2B (0-1) P2
3298 20737.58(4)	16.3(8)		3328 20711.72(3)	30.1(4)	
3299 20737.11(3)	33.8(9)		3329 20710.90(3)	88.0(4)	
3300 20736.28(4)	10.9(5)		3330 20710.17(6)	6.5(6)	
3301 20735.16(5)	6.1(5)	S+ 3E-2B (0-1) P3	3331 20709.63(4)	17.6(6)	T+ 4d-2c (1-2) R3
3302 20734.42(6)	5.4(5)		3332 20709.10(3)	25.7(6)	
3303 20733.55(2)	314.8(6)		3333 20708.20(4)	18.6(6)	
3304 20732.58(3)	15.2(5)		3334 20707.68(4)	20.4(6)	
3305 20731.35(4)	12.1(5)	S+ GK-2B (6-5) R3 S- 3E-2B (0-1) Q1	3335 20707.02(6)	4.5(5)	T+ 4d-2c (1-2) R3
3306 20730.64(3)	40.1(8)		3336 20705.68(4)	10.9(4)	
3307 20730.12(2)	285.1(9)		3337 20704.57(4)	7.0(4)	
3308 20729.53(4)	15.5(7)		3338 20703.83(4)	8.7(4)	
3309 20728.88(5)	7.1(5)	S- 3E-2B (0-1) Q1	3339 20702.93(5)	5.4(4)	T+ 4d-2c (1-2) R3
3310 20728.05(4)	7.9(5)		3340 20701.95(6)	4.4(4)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3341 20701.18(3)	55.2(4) 20701.15		3371 20675.01(5)	7.6(4)	
3342 20700.48(4)	12.0(4)		3372 20673.80(3)	141.4(6) 20673.82	S- 3E-2B (1-3) Q8
3343 20699.12(4)	11.7(4)		3373 20673.12(5)	13.4(5)	
3344 20698.34(3)	13.3(4)	S+ GK-2B (6-5) R0	3374 20672.39(7)	4.5(5)	
3345 20697.27(3)	63.0(4) 20697.25		3375 20671.29(4)	54.5(5) 20671.31	S+ GK-2B (2-2) R1
3346 20696.57(9)	3.5(6)		3376 20670.56(6)	11.9(7)	
3347 20696.06(7)	5.1(6)		3377 20670.03(12)	3.2(7)	
3348 20695.03(3)	28.5(6)	S+ 3E-2B (3-6) R1	3378 20669.22(4)	24.8(5) 20669.24	S+ 3F-2B (2-5) P5
3349 20694.27(5)	7.3(6) 20694.30	S+ 3F-2B (2-5) R1	3379 20668.50(4)	26.0(5) 20668.57	
3350 20693.49(8)	5.0(8)		3380 20667.34(5)	18.0(9)	S+ GK-2B (5-4) P5
3351 20692.96(8)	7.0(8)		3381 20666.89(4)	30.8(9) 20666.84	S+ GK-2B (6-5) P1
3352 20692.41(6)	8.2(8)		3382 20665.98(4)	26.3(4) 20666.01	
3353 20691.53(2)	383.3(7) 20691.52	S+ GK-2B (1-1) R8	3383 20664.90(6)	15.5(10)	
3354 20690.30(4)	15.9(6)		3384 20664.43(4)	59.4(10)	
3355 20689.44(3)	71.1(16) 20689.42		3385 20663.01(4)	29.7(7)	
3356 20689.06(4)	32.5(16)		3386 20661.98(4)	22.0(7)	
3357 20688.22(3)	103.3(6) 20688.19	S- 3E-2B (3-6) Q4	3387 20660.91(4)	19.0(7) 20660.89	S+ GK-2B (2-2) R0
3358 20687.61(6)	6.8(6)		3388 20659.99(6)	10.3(8)	
3359 20686.61(4)	12.1(5)		3389 20659.41(3)	194.8(8) 20659.42	S- 3E-2B (3-6) Q3
3360 20685.48(3)	20.7(5)	S+ GK-2B (5-4) P4	3390 20658.34(5)	14.5(7)	
3361 20684.41(4)	21.4(12)	S- 3E-2B (5-9) Q4	3391 20657.62(7)	5.9(7)	
3362 20683.99(5)	14.4(12)		3392 20656.81(5)	11.9(7)	
3363 20682.49(3)	61.3(5) 20682.45		3393 20655.94(4)	42.0(12) 20655.94	<b>T+ 4d-2c (0-1) Q4</b>
3364 20681.03(7)	4.5(4)				S- 3E-2B (5-9) Q3
3365 20680.21(4)	33.8(4) 20680.21		3394 20655.49(5)	23.6(12) 20655.51	
3366 20679.01(4)	41.3(5) 20678.98	S+ GK-2B (2-2) R3	3395 20653.46(5)	15.6(7) 20653.47	S+ 3E-2B (3-6) R0
3367 20678.35(6)	8.6(5)		3396 20652.55(4)	25.0(7) 20652.55	
3368 20677.49(3)	168.1(6) 20677.50	S+ GK-2B (2-2) R2	3397 20651.66(7)	6.6(7)	<b>T+ 4d-2c (2-3) R2</b>
3369 20676.85(5)	13.1(5)		3398 20650.91(6)	8.3(7)	
3370 20675.99(4)	44.1(4) 20675.99		3399 20649.29(6)	16.2(14)	T+ 4d-2c (1-2) R5

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3400 20648.87(5)	23.9(13)		3429 20619.77(4)	14.4(12)	
3401 20648.16(4)	72.3(10)		3430 20619.55(4)	34.8(13)	20619.54
3402 20647.65(5)	20.3(10)		3431 20619.11(5)	3.9(3)	
3403 20646.96(5)	20.5(7)		3432 20618.60(5)	3.9(3)	
3404 20645.61(6)	9.4(7)		3433 20618.16(5)	3.1(3)	
3405 20643.06(4)	35.1(7)		3434 20617.69(4)	20.8(7)	
3406 20641.78(6)	13.9(12)		3435 20617.45(5)	6.6(7)	
3407 20640.84(3)	887.7(16)	20640.83	3436 20616.94(5)	2.9(3)	
3408 20640.07(6)	17.1(13)		3437 20616.31(5)	2.8(3)	
3409 20639.27(7)	10.6(12)		3438 20615.79(5)	2.9(3)	
3410 20637.95(4)	83.8(12)	20637.94	3439 20615.35(4)	11.9(4)	
3411 20637.17(5)	27.7(12)	20637.15	3440 20615.01(4)	23.7(4)	20614.98
3412 20635.63(6)	15.8(12)		3441 20614.71(4)	10.6(5)	
3413 20634.75(4)	35.7(12)	20634.71	3442 20614.27(4)	7.6(3)	
3414 20633.08(5)	27.1(12)		3443 <b>20613.81(3)</b>	136.1(7)	
3415 20632.21(5)	27.4(12)		3444 20613.56(3)	133.0(7)	20613.60
3416 20631.34(7)	71(20)				
3417 20631.12(5)	183(20)	20631.17			
3418 20629.32(6)	17.3(12)	20629.32			
3419 20628.11(4)	94.1(13)	20628.10			
3420 20627.51(6)	20.3(13)		3445 20613.14(4)	7.4(4)	
3421 20626.62(5)	23.5(13)	20626.58	3446 20612.82(3)	30.7(4)	20612.86
3422 20625.87(4)	133.7(19)	20625.86	3447 20612.34(5)	3.0(3)	
3423 20625.40(4)	83(2)	20625.41	3448 20611.83(4)	5.6(3)	
3424 20623.96(5)	78(7)		3449 20611.38(5)	3.0(3)	
3425 20623.66(4)	137(7)	20623.72	3450 20610.84(4)	19.2(8)	20610.85
3426 20621.39(6)	1.8(3)		3451 20610.59(5)	6.0(7)	
3427 20620.62(3)	13.0(3)	20620.58	3452 20610.18(5)	4.3(3)	
3428 20620.16(5)	3.7(3)		3453 20609.67(6)	2.1(3)	
			3454 20609.16(5)	2.9(3)	
			3455 20608.76(5)	3.3(3)	
			3456 20608.30(3)	35.7(3)	20608.33

T+ 4d-2c (2-3) Q2

T+ 4c-2a (0-1) R3

T+ 4b-2a (0-0) R2

S- 3E-2B (1-3) Q7

S+ 3E-2B (3-6) P3

S+ 3E-2B (1-3) R3

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3457 20607.82(5)	3.3(3)		3487 20592.87(4)	8.3(4)	<b>T+ 4c-2a (0-1) R2</b>
3458 20607.36(3)	42.3(3)	20607.37	3488 20592.57(5)	4.3(4)	
3459 20606.98(5)	5.4(3)		3489 20591.77(6)	2.1(3)	
3460 20606.61(6)	2.3(3)		3490 20591.28(4)	9.0(7)	
3461 20606.13(6)	3.3(5)		3491 20591.04(5)	7.5(8)	
3462 20605.84(4)	11.4(5)	20605.86	3492 20590.51(5)	3.1(3)	
3463 20605.22(3)	17.5(3)		3493 20589.18(5)	3.9(3)	
3464 20604.86(4)	9.6(4)		3494 20588.72(7)	1.5(3)	
3465 20604.50(4)	14.5(4)		3495 20588.07(7)	1.5(3)	
3466 20604.06(3)	30.0(3)	20604.07	3496 20587.09(7)	1.4(3)	
3467 20603.61(5)	6.2(5)		3497 20586.26(5)	3.0(3)	S+ GK-2B (6-5) P5
3468 20603.34(4)	8.9(6)		3498 20584.38(4)	9.9(3)	20584.36
3469 20602.27(5)	5.1(4)		3499 20582.59(4)	4.0(3)	
3470 20601.99(5)	3.9(4)		3500 20581.81(3)	27.5(3)	20581.78
3471 20601.16(5)	3.4(3)		3501 20581.36(3)	32.8(3)	20581.33
3472 20600.57(4)	7.2(3)		3502 20580.97(4)	10.7(6)	
3473 20600.00(5)	2.7(3)		3503 20580.70(7)	4.3(6)	
3474 20599.45(3)	19.7(3)	20599.47	3504 20580.36(5)	4.6(4)	
3475 20598.85(3)	27.0(6)		3505 20579.91(3)	24.3(3)	20579.90
3476 20598.55(3)	191.8(7)	20598.56	3506 20579.41(4)	4.7(3)	
3477 20598.11(4)	5.6(3)		3507 20578.80(4)	6.1(4)	S+ GK-2B (2-2) P3
3478 20597.70(5)	3.5(3)		3508 20578.47(8)	18(5)	
3479 20597.22(4)	7.8(3)		3509 20577.42(7)	11(2)	
3480 20596.82(3)	21.9(3)	20596.84	3510 20576.46(8)	8(2)	20576.47
3481 20596.42(5)	2.8(3)		3511 20575.95(9)	7(2)	20575.91
3482 20595.75(5)	2.6(3)		3512 20574.23(5)	26(2)	20574.20
3483 20595.31(6)	2.7(3)		3513 20572.48(14)	5(2)	
3484 20594.89(5)	4.0(3)		3514 20572.13(6)	18(2)	
3485 20594.44(4)	5.3(3)		3515 20571.50(4)	31(2)	
3486 20593.49(5)	2.9(3)		3516 20570.39(3)	3163.3(17)	
					<b>T+ 4b-2a (0-0) R0</b>

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3517 20566.67(9)	7(2)	<b>T+ 4c-2a (0-1) R1</b>	3547 20535.60(3)	4.8(5)	<b>T- 3c-2a (5-2) Q2</b>
3518 20566.01(11)	8(3)		3548 20534.691(18)	6.4(3)	
3519 20565.67(6)	27(3)		3549 20532.29(2)	14.0(7)	
3520 20565.23(5)	46(3)		3550 20530.43(4)	15.8(11)	
3521 20564.83(3)	451(5)	S+ GK-2B (1-1) R5	3551 20527.018(16)	205.3(15)	20527.01
3522 20564.46(4)	88(3)		3552 20526.50(3)	40.0(15)	
3523 20564.08(6)	18(2)		3553 20524.75(5)	11.2(11)	
3524 20562.79(8)	9(2)		3554 20523.728(19)	65.8(11)	
3525 20562.31(4)	77(2)	S- 3E-2B (1-3) Q6	3555 20522.81(2)	78.2(15)	20522.81
3526 20561.26(7)	11(2)		3556 20522.30(4)	18.0(15)	
3527 20560.52(6)	16(2)		3557 20521.480(14)	945.2(15)	
3528 20560.06(6)	17(2)		3558 20520.66(3)	20.3(11)	
3529 20556.38(4)	12.0(12)	S+ GK-2B (7-6) R2 S+ GK-2B (6-5) P6 S+ 3E-2B (1-3) R2	3559 20519.69(3)	32.2(16)	20519.19
3530 20555.091(14)	15.9(4)		3560 20519.195(14)	427.5(17)	
3531 20553.405(13)	23.9(4)		3561 20518.31(4)	16.7(12)	
3532 20553.038(15)	18.5(4)		3562 20517.62(3)	18.0(12)	
3533 20552.58(2)	5.4(4)	S+ GK-2B (7-6) R0 S+ GK-2B (7-6) R1 S+ GK-2B (2-2) P4	3563 20516.11(2)	41.4(11)	20516.10
3534 20551.934(16)	10.4(4)		3564 20514.88(6)	5.1(6)	
3535 20550.961(11)	51.0(5)		3565 20514.09(4)	6.6(5)	
3536 20550.197(12)	37.9(4)		3566 20513.04(2)	25.3(6)	
3537 20546.18(2)	6.3(4)	20512.427(17) 20512.13(2) 20511.36(3) 20510.426(14)	3567 20512.427(17)	185(4)	20512.41
3538 20544.62(2)	5.2(4)		3568 20512.13(2)	62(4)	
3539 20542.740(16)	11.1(4)		3569 20511.36(3)	9.4(5)	
3540 20540.256(13)	21.9(4)		3570 20510.426(14)	351.4(6)	
3541 20539.85(2)	5.9(4)	20509.67(4) 20508.84(6) 20508.154(15) 20507.589(15)	3571 20509.67(4)	7.1(5)	20508.16
3542 20539.336(10)	169.2(4)		3572 20508.84(6)	3.8(5)	
3543 20538.34(2)	4.7(3)		3573 20508.154(15)	118.0(6)	
3544 20537.444(18)	6.9(3)		3574 20507.589(15)	111.1(6)	
3545 20536.47(2)	4.8(3)	20506.90(4)	3575 20506.90(4)	7.2(5)	20507.61
3546 20535.88(2)	8.7(5)				

**T+ 4b-2a (0-0) P1**S+ GK-2B (1-1) R2  
T- 3c-2a (5-2) Q3

S+ GK-2B (1-1) R3

S- 3E-2B (1-3) Q5  
**T+ 4d-2c (2-3) Q4**

S+ GK-2B (2-2) P5

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3576 20505.74(3)	8.4(5)	S+ GK-2B (1-1) R1	3605 20485.00(5)	5.5(5)	<b>T- 3c-2a (5-2) Q4</b> S- 3E-2B (1-3) Q4
3577 20505.050(17)	53.3(5)		3606 20484.268(14)	229.7(5)	
3578 20504.302(14)	476.4(7)				
3579 20503.58(2)	36.5(8)		3607 20483.495(16)	57.1(4)	
3580 20503.09(3)	21.0(8)		3608 20482.630(17)	38.3(4)	
3581 20502.34(3)	10.4(5)		3609 20481.83(3)	9.0(4)	
3582 20500.80(2)	42.5(12)		3610 20481.085(19)	32.4(5)	
3583 20500.40(3)	28.3(12)		3611 20480.47(4)	6.0(5)	
3584 20499.659(15)	123.8(5)		3612 20479.464(19)	35.2(6)	<b>T- 4c-2a (0-1) Q4</b>
3585 20498.858(14)	135.5(5)	S+ GK-2B (1-1) R0 S 3A-2B (2-6) R2 S+ 3E-2B (1-3) R1	3613 20478.96(5)	6.0(6)	
			3614 20477.78(4)	8.5(5)	
3586 20498.11(4)	7.4(5)		3615 20476.83(4)	15.9(5)	
3587 20497.354(15)	124.6(5)	S+ 3E-2B (1-3) P6	3616 20475.68(3)	41.3(6)	
3588 20496.53(6)	4.5(6)		3617 20475.02(8)	4.9(6)	
3589 20495.95(3)	14.8(6)		3618 20474.27(6)	6.7(5)	
3590 20495.24(4)	6.9(5)		3619 20473.46(3)	109.5(6)	<b>T+ 4b-2a (0-0) P2</b> S+ GK-2B (1-1) P1
3591 20494.41(3)	9.0(5)		3620 20472.74(4)	18.9(5)	
3592 20493.652(17)	47.5(5)		3621 20471.85(3)	126.3(6)	
3593 20492.81(3)	13.1(5)		3622 20471.00(7)	4.8(5)	
3594 20492.00(2)	26.6(5)		3623 20470.28(7)	5.9(5)	
3595 20491.25(3)	17.5(8)		3624 20469.53(5)	11.8(5)	
3596 20490.80(3)	13.5(9)	<b>T- 4c-2a (0-1) Q3</b>	3625 20468.22(5)	21.1(19)	
3597 20489.82(3)	16.9(15)		3626 20467.86(6)	13.0(19)	
3598 20489.45(2)	67.6(14)		3627 20465.77(5)	11.3(7)	
3599 20488.86(6)	4.3(6)		3628 20465.26(4)	18.0(7)	<b>T- 4c-2a (0-1) Q5</b> S 3A-2B (2-6) R1
3600 20488.12(3)	14.5(5)		3629 20463.10(6)	8.4(7)	
3601 20487.52(3)	7.9(5)		3630 20461.57(4)	17.1(7)	
3602 20486.56(4)	10.9(14)		3631 20460.45(5)	11.9(7)	
3603 20486.176(19)	75.7(12)		3632 20459.60(5)	15.5(8)	
3604 20485.56(2)	30.2(5)		3633 20458.97(4)	40.4(8)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3634 20458.33(5)	32.7(14) 20458.36	S- 3E-2B (1-3) Q3 <b>T+ 4c-2a (1-2) R3</b> S+ GK-2B (1-1) P13 S+ 3E-2B (1-3) P5	3663 20430.27(6)	7.9(7)	<b>T+ 4b-2a (0-0) P3</b> <b>T- 4c-2a (0-1) Q7</b>
3635 20457.91(8)	8.7(15)		3664 20429.39(3)	64.3(6)	
3636 20457.02(3)	398.0(9) 20457.06		3665 20428.74(4)	16.3(6)	
3637 20455.78(5)	13.4(7)	S+ 3E-2B (1-3) P5	3666 20427.19(3)	115.8(6) 20427.15	S- 3E-2B (1-3) Q1
3638 20454.90(3)	211.3(8) 20454.91		3667 20426.44(6)	7.4(6)	
3639 20453.96(5)	12.3(7)		3668 20425.22(6)	7.2(6)	
3640 20453.20(6)	9.3(7)	S+ 3E-2B (1-3) R0	3669 20424.30(3)	197.7(6) 20424.29	S+ GK-2B (1-1) P12
3641 20452.17(5)	25.2(19) 20452.15		3670 20423.38(6)	7.4(6)	
3642 20451.79(4)	56.4(19) 20451.79		3671 20422.57(6)	6.1(6)	
3643 20450.12(6)	6.8(7)	<b>T- 4c-2a (0-1) Q6</b>	3672 20421.29(5)	15.1(6) 20421.35	S+ GK-2B (1-1) P12
3644 20449.02(4)	20.2(8) 20449.08		3673 20420.13(6)	14.1(5)	
3645 20448.35(4)	33.4(8) 20448.36		3674 20418.74(7)	9.6(6) 20418.65	
3646 20447.05(6)	7.7(7)	S- 3E-2B (4-8) Q7	3675 20418.12(5)	22.2(6) 20418.18	<b>T- 3c-2a (5-2) Q6</b>
3647 20445.46(3)	86.9(7) 20445.44		3676 20417.36(7)	7.2(5)	
3648 20444.47(3)	78.5(8)		3677 20416.39(6)	11.3(5) 20416.31	
3649 20443.76(3)	185.6(8) 20443.75	S+ GK-2B (1-1) P2	3678 20413.90(5)	121.3(7) 20413.92	<b>T+ 4c-2a (1-2) R1</b> S+ 3E-2B (1-3) P3 S+ GK-2B (1-1) P3
3650 20442.83(3)	102.3(8) 20442.81		3679 20412.62(6)	15.9(6) 20412.60	
3651 20442.03(6)	8.8(8)		3680 20411.91(8)	7.2(6)	
3652 20441.30(5)	13.2(8)	S- 3E-2B (1-3) Q2	3681 20411.05(5)	26.6(6) 20411.06	<b>T- 4c-2a (0-1) Q8</b> S 3A-2B (3-8) R4
3653 20438.12(5)	8.7(6)		3682 20410.23(5)	202.2(10) 20410.25	
3654 20437.23(3)	156.6(6) 20437.19		3683 20409.73(5)	156.8(9) 20409.77	
3655 20436.30(4)	21.1(6)	<b>T+ 4c-2a (1-2) R2</b>	3684 20408.97(6)	11.9(6)	S 3A-2B (3-8) R4
3656 20435.51(5)	11.4(7)		3685 20408.02(6)	11.1(6)	
3657 20434.93(4)	36.6(7)		3686 20406.68(5)	26.4(6) 20406.67	
3658 20434.15(4)	34.3(6)	S+ 3E-2B (1-3) P4	3687 20405.65(6)	11.1(6) 20405.73	S 3A-2B (3-8) R4
3659 20433.47(4)	29.8(6) 20433.51		3688 20404.24(5)	42.5(6) 20404.28	
3660 20432.34(4)	15.8(6)		3689 20401.94(8)	6.4(6)	
3661 20431.62(3)	124.1(6) 20431.60	S+ 3E-2B (1-3) P4	3690 20401.15(5)	53.4(8) 20401.17	S 3A-2B (3-8) R4
3662 20430.83(3)	53.1(7) 20430.84		3691 20400.61(6)	14.7(8)	
			3692 20399.75(5)	66.2(6) 20399.76	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3693 20398.47(5)	50.5(7) 20398.48	S+ 3E-2B (1-3) P2	3723 20368.76(7)	10.2(7)	<b>T+ 4c-2a (0-1) P4</b>
3694 20397.77(6)	18.6(6) 20397.84		3724 20367.31(5)	22.9(7) 20367.25	
3695 20396.42(7)	7.9(6) 20396.35		3725 20366.49(7)	10.7(7)	
3696 20395.53(6)	11.0(6) 20395.45		3726 20365.68(6)	14.8(7)	
3697 20394.20(5)	24.9(6) 20394.18	S+ GK-2B (8-7) R2	3727 20362.00(9)	4.4(6)	<b>T+ 4b-2a (1-1) R3</b>
3698 20393.46(5)	53.2(6) 20393.47	S- 3E-2B (4-8) Q6	3728 20361.24(9)	5.2(6)	
3699 20391.78(6)	17.6(6) 20391.76	S+ 3F-2B (0-2) R3	3729 20360.40(6)	17.7(9)	
3700 20391.00(5)	19.4(6) 20390.95	S+ GK-2B (8-7) R1 S 3A-2B (2-6) P4	3730 20359.86(4)	103.0(8) 20359.92	
3701 20387.91(7)	6.3(5)		3731 20359.13(5)	40.9(6) 20359.10	<b>T+ 4b-2a (1-1) R3</b>
3702 20386.63(7)	7.4(6)		3732 20358.37(5)	43.2(15) 20358.37	
3703 20386.07(5)	76.8(6) 20386.09		3733 20357.95(5)	79.7(16) 20357.95	
3704 20385.27(6)	29.1(12) 20385.22	S 3A-2B (2-6) P3	3734 20357.04(8)	5.2(5)	S+ GK-2B (1-1) P10 S+ GK-2B (1-1) P5 <b>T- 4c-2a (1-2) Q1</b>
3705 20384.85(6)	29.7(11) 20384.81	S+ GK-2B (1-1) P11	3735 20355.92(5)	49.0(5) 20355.93	
3706 20384.18(5)	62.4(7) 20384.22		3736 20354.90(5)	17.3(5)	
3707 20383.63(8)	7.8(7)		3737 20354.02(5)	33.1(5)	
3708 20383.00(5)	28.0(6) 20382.99	<b>T+ 4b-2a (0-0) P4</b>	3738 20353.14(4)	113.5(5) 20353.11	S- 3E-2B (4-8) Q5 S+ GK-2B (8-7) P1 <b>T+ 4b-2a (1-1) R2</b> <b>T- 4c-2a (1-2) Q2</b>
3709 20382.17(6)	12.7(8) 20382.11		3739 20352.15(5)	24.3(5) 20352.22	
3710 20381.69(8)	8.2(8)		3740 20351.37(4)	93.6(6) 20351.37	
3711 20380.85(8)	5.2(5)		3741 20350.37(7)	9.6(7)	S- 3E-2B (4-8) Q5 S+ GK-2B (8-7) P1 <b>T+ 4b-2a (1-1) R2</b> <b>T- 4c-2a (1-2) Q2</b>
3712 20379.97(4)	223.7(6) 20379.99	S+ GK-2B (1-1) P4	3742 20349.78(7)	11.5(7)	
3713 20379.19(10)	4.7(7)		3743 20348.98(4)	123.8(6)	
3714 20378.68(5)	69.4(7) 20378.67		3744 20347.89(6)	16.5(6) 20347.92	
3715 20377.90(8)	5.3(5)	S+ GK-2B (8-7) R0	3745 20347.23(8)	8.2(6)	S- 3E-2B (4-8) Q5 S+ GK-2B (8-7) P1 <b>T+ 4b-2a (1-1) R2</b> <b>T- 4c-2a (1-2) Q2</b>
3716 20377.18(6)	12.1(5) 20377.20		3746 20346.49(4)	245.4(7) 20346.49	
3717 20376.45(6)	12.3(5) 20376.49		3747 20345.50(7)	6.6(5)	
3718 20374.77(8)	5.1(5)		3748 20344.41(4)	113.1(5) 20344.42	S- 3E-2B (4-8) Q5 S+ GK-2B (8-7) P1 <b>T+ 4b-2a (1-1) R2</b> <b>T- 4c-2a (1-2) Q2</b>
3719 20374.07(5)	107.4(6) 20374.11	S+ GK-2B (8-7) R0	3749 20343.46(6)	10.5(5) 20343.43	
3720 20373.34(8)	4.9(5)		3750 20342.46(5)	22.9(5) 20342.47	
3721 20370.62(5)	38.6(7) 20370.67		3751 20341.30(8)	6.0(6)	
3722 20369.55(4)	187.5(8) 20369.58				

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3752 20340.59(5)	31.6(6) 20340.53	<b>T- 4c-2a (1-2) Q3</b>	3779 20312.69(5)	290.3(10) 20312.67	S- 3E-2B (2-5) Q7
3753 20339.88(6)	30.6(12) 20339.93		3780 20312.01(5)	72.6(7) 20312.02	S- 3E-2B (4-8) Q4
3754 20339.43(6)	29.0(14) 20339.45		3781 20310.96(7)	9.7(6) 20311.00	<b>T+ 4b-2a (1-1) R0</b>
3755 20338.13(5)	34.3(5) 20338.09		3782 20310.15(5)	42.0(6) 20310.14	
3756 20336.81(5)	24.6(6)		3783 20309.39(7)	11.1(6) 20309.48	
3757 20335.95(7)	9.1(6)		3784 20308.21(5)	52.0(6) 20308.20	
3758 20335.08(4)	101.3(6) 20335.08	S+ GK-2B (1-1) P9	3785 20306.94(6)	46.0(8) 20306.94	S+ GK-2B (8-7) P3
		S+ GK-2B (1-1) P6	3786 20306.36(8)	12.6(8)	S+ 3E-2B (4-8) R1
3759 20333.80(6)	11.8(5) 20333.79	<b>T+ 4b-2a (1-1) R1</b>	3787 20305.82(6)	24.3(9) 20305.82	
3760 20332.77(5)	19.2(5) 20332.72		3788 20303.41(7)	9.6(6)	
3761 20331.14(5)	41.6(6) 20331.13		3789 20302.63(5)	56.0(6) 20302.67	
3762 20330.04(7)	6.9(5)		3790 20301.43(6)	16.3(7)	S 3A-2B (3-8) R2 <b>T- 4c-2a (1-2) Q6</b>
3763 20328.80(5)	17.0(5) 20328.71		3791 20300.71(5)	187.0(7) 20300.68	
3764 20327.67(7)	7.9(6)	T+ 4b-2a (0-0) P5	3792 20299.92(6)	22.0(6) 20299.99	
3765 20326.80(4)	122.4(6) 20326.77		3793 20298.65(7)	9.6(6)	
		<b>T- 4c-2a (1-2) Q4</b>	3794 20296.87(7)	15.4(12) 20296.77	
3766 20325.64(4)	96.5(6) 20325.65	S+ GK-2B (1-1) P7	3795 20296.43(6)	64.3(12) 20296.38	
		S+ GK-2B (1-1) P8	3796 20295.53(7)	10.9(6)	
3767 20324.70(9)	4.7(6)	<b>T+ 4c-2a (2-3) R4</b>	3797 20294.70(5)	97.4(17) 20294.68	
3768 20323.37(8)	6.7(6)		3798 20294.31(5)	100.1(17) 20294.32	S+ 3E-2B (2-5) R3
3769 20322.11(5)	60.2(6) 20322.13		3799 20292.12(6)	15.4(6)	
3770 20320.55(5)	127.7(8) 20320.54		3800 20291.23(9)	7.8(7)	
3771 20319.91(6)	57.1(13) 20319.93		3801 20290.55(5)	104.2(8)	
3772 20319.47(7)	22.6(14) 20319.49		3802 20290.00(6)	20.3(8)	
3773 20317.57(9)	5.2(6)		3803 20288.81(5)	76.2(5)	
3774 20316.83(10)	5.9(7)		3804 20287.76(7)	8.2(5)	
3775 20316.21(6)	23.2(7) 20316.23		3805 20286.87(5)	193.9(6) 20286.85	S+ 3E-2B (2-5) R3
3776 20315.05(6)	14.7(6)		3806 20285.99(9)	15(3)	
3777 20314.22(7)	8.7(6)		3807 20285.62(7)	50.6(19)	
3778 20313.32(6)	33.5(8)		3808 20285.17(7)	17.9(14)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3809 20283.85(6)	45(4) 20283.78	S+ GK-2B (8-7) P4  S- 3E-2B (4-8) Q3 <b>T+ 4c-2a (2-3) R2</b>	3837 20259.09(6)	27.2(13)	<b>T+ 4c-2a (2-3) R1</b>
3810 20283.54(8)	34(3) 20283.54		3838 20258.61(6)	12.5(11)	
3811 20282.91(9)	16.3(14)		3839 20256.00(7)	9.3(9)	
3812 20282.48(5)	176.4(16) 20282.53		3840 20255.47(4)	165(2) 20255.48	
3813 20281.85(6)	17.5(6)	<b>T+ 4c-2a (2-3) R2</b>	3841 20255.11(5)	35(2)	<b>T+ 4c-2a (1-2) P3</b>
3814 20281.00(8)	6.1(5)		3842 20254.27(4)	22.7(6)	
3815 20280.26(7)	15.4(7)		3843 20253.48(4)	29.5(6) 20253.46	
3816 20279.75(6)	19.6(8)		3844 20252.21(5)	9.7(6)	
3817 20278.42(6)	16.6(5) 20279.77	<b>T+ 4b-2a (1-1) P1</b>	3845 20250.89(4)	26.1(6) 20250.92	S+ EF-2B (29-3) R2  <b>T+ 4b-2a (1-1) P1</b> S+ GK-2B (3-3) R6
3818 20277.44(6)	39.9(15) 20277.30		3846 20249.81(4)	100.1(6) 20249.81	
3819 20277.06(6)	28.3(15)		3847 20249.10(4)	50.1(6) 20249.11	
3820 20276.00(6)	9.7(5) 20275.93		3848 20248.19(3)	529.2(8) 20248.19	
3821 20274.47(4)	32.8(6) 20274.51	<b>T+ 4b-2a (0-0) P6</b>	3849 20247.29(5)	16.2(6)	S- 3E-2B (4-8) Q1
3822 20273.98(5)	13.5(6)		3850 20245.78(4)	79.3(6) 20245.78	
3823 20272.93(4)	24.0(4) 20272.93		3851 20244.64(4)	40.1(6) 20244.59	
3824 20272.17(5)	12.0(4)		3852 20243.78(5)	13.6(6)	
3825 20270.97(6)	8.5(8)	<b>T+ 4b-2a (0-0) P6</b>	3853 20243.09(4)	39.7(6) 20243.06	S+ 3E-2B (0-2) R5  S 3A-2B (3-8) R0
3826 20270.53(6)	8.1(8)		3854 20241.31(5)	14.4(5) 20241.27	
3827 20268.93(9)	3.6(6)		3855 20239.89(5)	29.7(16)	
3828 20268.38(4)	115.4(7) 20268.36		3856 20239.51(4)	39.9(15) 20239.60	
3829 20265.92(4)	55.7(4) 20265.93	S 3A-2B (3-8) R1 S+ EF-2B (29-3) R0 S+ EF-2B (29-3) R1	3857 20238.71(5)	11.8(5)	S+ 3E-2B (2-5) R2 <b>T+ 4c-2a (2-3) R0</b>
3830 20264.82(8)	3.9(5)		3858 20237.56(4)	118.3(6)	
3831 20264.21(4)	41.4(5) 20264.23		3859 20236.69(4)	49.5(6) 20236.64	
3832 20262.91(5)	11.2(4)		3860 20236.00(7)	5.1(6)	
3833 20262.22(4)	48.2(4) 20262.25	S- 3E-2B (4-8) Q2 S- 3E-2B (2-5) Q6 S+ WY-2B (0-1) P2	3861 20234.68(4)	29.7(8) 20234.66	S+ 3E-2B (2-5) R2 <b>T+ 4c-2a (2-3) R0</b>
3834 20261.22(5)	15.2(6)		3862 20234.19(4)	51.3(8) 20234.12	
3835 20260.47(4)	63.0(6) 20260.48		3863 20233.36(4)	36.5(5) 20233.38	
3836 20259.50(4)	210.5(16) 20259.56		3864 20232.44(5)	9.5(5)	
			3865 20231.42(4)	18.3(5) 20231.37	S+ 3E-2B (4-8) P2
			3866 20230.53(4)	37.4(11) 20230.54	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3867 20230.10(8)	7.6(11)		3896 20206.59(3)	44.0(8)	20206.59
3868 20228.97(6)	18.3(15)	S+ 3F-2B (0-2) P5	3897 20205.83(3)	52.2(9)	20205.88
3869 20228.59(4)	36.8(15)	S+ 3E-2B (4-8) P3	3898 20205.23(5)	20.8(10)	
3870 20226.10(6)	4.1(4)		3899 20204.73(3)	64.1(11)	20204.73
3871 20225.06(6)	3.6(4)		3900 20203.87(4)	26.1(8)	20203.81
3872 20223.97(4)	12.3(4)		3901 20202.87(4)	42(3)	
3873 20223.32(3)	54.8(4)	S+ 3E-2B (0-2) P10	3902 20202.53(4)	59(3)	20202.56
3874 20222.30(3)	47.9(5)		3903 20200.01(6)	8.3(8)	
3875 20221.66(3)	24.9(5)		3904 20199.20(3)	56.6(14)	
3876 20220.99(3)	98.3(5)		3905 20198.74(3)	361.0(15)	20198.74
3877 20220.35(6)	5.4(5)		3906 20197.86(5)	13.2(8)	
3878 20219.76(3)	109.6(5)	S+ EF-2B (29-3) R4	3907 20197.00(3)	86.0(8)	20197.00
3879 20219.02(5)	13.9(8)		3908 20195.41(8)	4.7(8)	
3880 20218.56(6)	11.8(7)		3909 20193.91(3)	33.6(8)	20193.89
3881 20218.09(4)	20.8(7)		3910 20192.36(3)	81.0(18)	20192.34
3882 20217.45(3)	288.8(6)	<b>T+ 4c-2a (1-2) P4</b>	3911 20191.98(4)	30.4(18)	
3883 20216.84(5)	8.2(5)		3912 20189.37(7)	8.7(9)	
3884 20215.95(3)	68.3(4)		3913 20188.75(3)	57.0(9)	20188.71
3885 20215.20(5)	5.6(4)		3914 20187.73(5)	13.3(9)	
3886 20214.40(3)	345.1(9)	S- 3E-2B (2-5) Q5	3915 20187.04(6)	12.8(9)	
3887 20213.52(3)	90(3)		3916 20186.41(5)	15.9(9)	
3888 20213.19(8)	26(2)		3917 20185.41(6)	8.7(8)	
3889 20212.86(3)	86(3)	<b>T+ 4b-2a (1-1) P2</b>	3918 20184.08(4)	38.6(8)	
3890 20212.11(5)	6.8(5)		3919 20183.37(5)	12.8(9)	
3891 20211.50(3)	65.1(8)	S- 3E-2B (0-2) Q10	3920 20182.61(3)	128.3(9)	
3892 20210.67(3)	119.5(8)	S+ EF-2B (29-3) P2	3921 20181.84(9)	19(6)	
3893 20209.42(5)	12.8(8)	S- 4E-2B (0-8) Q5	3922 20181.53(5)	51(6)	20181.55
3894 20208.66(3)	41.7(8)	S 3A-2B (3-8) P5	3923 20180.56(6)	10.4(8)	
			3924 20179.77(4)	26.6(8)	
3895 20208.03(4)	25.1(8)		3925 20178.76(4)	23.2(8)	20178.79

**T- 4c-2a (2-3) Q1**

S+ GK-2B (3-3) R5

**T- 4c-2a (2-3) Q2****T- 4c-2a (2-3) Q3**

S 3A-2B (3-8) P3

S+ 3E-2B (2-5) R1

**T+ 4c-2a (1-2) P5**

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3926 20177.84(3)	113.1(15) 20177.78	<b>T- 4c-2a (2-3) Q4</b> S- 3E-2B (2-5) Q4	3956 20147.37(4)	51.5(12) 20147.31	S+ 3E-2B (0-2) R4
3927 20177.38(3)	186.4(16) 20177.35		3957 20146.80(6)	7.6(7)	
3928 20176.07(4)	19.6(8)	S+ EF-2B (29-3) P3 S- 3F-2B (1-4) Q5	3958 20146.04(3)	112.9(5) 20146.03	T+ 4c-2a (2-3) P2 S+ GK-2B (3-3) R3 <b>T- 3c-2a (6-3) Q3</b> S+ GK-2B (9-8) R0 S+ 3E-2B (2-5) P5  S+ 3E-2B (0-2) P9 <b>T+ 4c-2a (1-2) P6</b>
3929 20174.58(3)	63.5(8) 20174.59		3959 20145.27(5)	12.7(5)	
3930 20173.68(4)	18.7(8)		3960 20144.52(6)	6.4(5)	
3931 20172.95(4)	19.7(8) 20172.93		3961 20143.52(6)	9.3(9)	
3932 20171.85(4)	21.2(6) 20171.89	<b>T+ 4b-2a (1-1) P3</b>	3962 20142.71(3)	434.1(10) 20142.72	S+ 3E-2B (3-3) R3 <b>T- 3c-2a (6-3) Q3</b> S+ GK-2B (9-8) R0 S+ 3E-2B (2-5) P5  S+ 3E-2B (0-2) P9 <b>T+ 4c-2a (1-2) P6</b>
3933 20170.99(10)	2.2(5)				
3934 20169.43(3)	168.8(6) 20169.47	<b>T- 3c-2a (6-3) Q2</b>	3963 20141.84(5)	17.8(9) 20141.84	S+ GK-2B (3-3) R3 <b>T- 3c-2a (6-3) Q3</b> S+ GK-2B (9-8) R0 S+ 3E-2B (2-5) P5  S+ 3E-2B (0-2) P9 <b>T+ 4c-2a (1-2) P6</b>
3935 20168.23(4)	34.7(5) 20168.23		3964 20141.04(4)	25.0(9) 20141.07	
3936 20166.95(5)	11.6(5)		3965 20139.55(3)	283.6(19) 20139.56	
3937 20165.36(6)	6.6(5)		3966 20139.11(7)	21.1(17)	
3938 20164.32(5)	36(5) 20164.29	S+ GK-2B (3-3) R4	3967 20138.60(4)	176.3(13) 20138.58	S+ 3E-2B (0-2) P9 <b>T+ 4c-2a (1-2) P6</b>
3939 20164.08(4)	60(5) 20164.09		3968 20137.97(4)	40.3(9)	
3940 20163.02(5)	9.6(5)	<b>T- 3c-2a (6-3) Q2</b>	3969 20137.10(4)	25.6(9)	S+ GK-2B (3-3) R2
3941 20161.19(4)	24.4(5) 20161.19		3970 20136.33(7)	7.0(9)	
3942 20160.18(6)	5.6(5)		3971 20134.92(7)	6.8(9)	
3943 20159.38(3)	98.1(5) 20159.38		3972 20134.20(8)	6.6(9)	
3944 20158.28(5)	8.1(5)		3973 20133.34(3)	166.1(10) 20133.32	
3945 20157.19(4)	54.3(5) 20157.17		3974 20132.75(3)	258.9(12) 20132.79	
3946 20154.65(4)	14.2(5) 20154.70		3975 20132.24(6)	15.0(12)	
3947 20153.75(3)	86.8(5) 20153.73		3976 20130.77(4)	15.4(8)	
3948 20152.97(6)	6.1(5)		3977 20129.90(2)	290.0(8) 20129.83	
3949 20151.88(5)	27(3)				
3950 20151.58(4)	168(3) 20151.54	S+ GK-2B (9-8) R3	3978 20129.01(3)	44.2(8) 20129.07	S- 3E-2B (0-2) Q9 S+ EF-2B (29-3) P4
3951 20150.80(7)	5.1(5)		3979 20128.11(3)	17.0(9)	
3952 20149.57(3)	103.9(5) 20149.55	S+ GK-2B (9-8) R4	3980 20127.59(4)	11.5(9)	S- 3E-2B (2-5) Q2
3953 20148.81(3)	101.4(6) 20148.84	S+ GK-2B (9-8) R1	3981 20126.71(3)	108(7)	
3954 20148.12(4)	412(7) 20148.11	S- 3E-2B (2-5) Q3	3982 20126.46(2)	147(7) 20126.44	
3955 20147.86(5)	109(7) 20147.85		3983 20125.63(3)	77(4)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
3984 20125.23(4)	114(11) 20125.23	S+ GK-2B (3-3) R1	4014 20095.83(4)	6.7(5)	S+ GK-2B (9-8) P2
3985 20124.99(2)	298(14) 20124.99		4015 20095.20(3)	16.7(5)	
3986 20123.93(3)	10.9(6)		4016 20094.57(3)	16.2(5)	
3987 20121.99(3)	28.2(17) 20121.99		4017 20093.20(5)	5.3(6)	
3988 20121.60(7)	9.4(16)	T+ 4b-2a (1-1) P4	4018 20092.28(6)	5.2(6)	S+ 3E-2B (2-5) P4
3989 20120.925(18)	120.0(7) 20120.94		4019 20090.73(6)	5.7(6)	
3990 20117.421(17)	117.0(6) 20117.44		4020 20089.988(17)	147.9(7) 20089.98	
3991 20116.269(18)	96.6(7)	S+ GK-2B (4-4) R2	4021 20088.447(18)	128.2(9) 20088.46	T- 3c-2a (6-3) Q5 T+ 4b-2a (2-2) R2
3992 20115.463(18)	94.1(7) 20115.45		4022 20087.88(3)	44.5(8)	
3993 20113.90(2)	24.9(7) 20113.89		4023 20087.32(3)	21.3(9)	
3994 20113.37(4)	21.9(13) 20113.35	S+ GK-2B (9-8) P1	4024 20086.40(2)	126(4)	S+ GK-2B (4-4) R0
3995 20113.01(6)	7.9(15)		4025 20086.09(3)	64(4)	
3996 20112.138(16)	184.1(5) 20112.17	S- 3E-2B (2-5) Q1	4026 20085.10(3)	11.8(6)	
3997 20111.34(4)	6.0(5)		4027 20084.177(18)	84.4(6) 20084.18	
3998 20110.47(2)	21.1(5) 20110.48	<b>T+ 4c-2a (3-4) R1</b>	4028 20083.21(3)	31.7(19) 20083.18	S+ GK-2B (29-3) P5
3999 20109.63(3)	7.7(5)	<b>T+ 4c-2a (2-3) P3</b>	4029 20082.82(4)		
4000 20108.59(2)	20.9(5) 20108.61		4030 20082.01(2)		
4001 20107.734(18)	59.1(5) 20107.73		4031 20080.88(2)		
4002 20107.10(5)	5.1(5)	S+ 3E-2B (2-5) P3	4032 20079.59(3)	21.3(6) 20079.58	S+ 3E-2B (0-2) P8 <b>T+ 4c-2a (2-3) P4</b> S+ GK-2B (9-8) P3
4003 20104.92(3)	8.3(5)		4033 20078.53(8)	3.7(6)	
4004 20103.61(2)	19.1(5)		4034 20077.28(5)	7.3(6)	
4005 20102.80(4)	12.5(8)		4035 20074.54(4)	21.4(7)	
4006 20102.38(3)	15.8(8)	S+ 3E-2B (2-5) P3	4036 20073.90(3)	105.6(7) 20073.91	<b>T+ 4b-2a (2-2) R1</b>
4007 20101.58(3)	9.4(5)		4037 20072.51(3)	43.3(6) 20072.53	
4008 20100.52(2)	24.1(5)		4038 20071.55(3)	28.8(6) 20071.55	
4009 20099.79(6)	3.7(5)		4039 20070.69(12)	2.4(6)	
4010 20098.882(16)	184.8(6) 20098.88	S+ GK-2B (4-4) R1	4040 20069.92(3)	22.0(6) 20069.91	S+ GK-2B (4-4) R0
4011 20098.25(3)	14.8(5)		4041 20069.18(3)	26.5(7) 20069.23	
4012 20097.26(2)	16.8(5)		4042 20068.41(4)	18.6(6)	
4013 20096.506(17)	110.4(5) 20096.50				

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4043 20067.58(3)	57.5(5) 20067.58	<b>T+ 4b-2a (1-1) P5</b>	4073 20040.16(3)	66.6(10)	S+ GK-2B (3-3) P3 S- 3E-2B (5-10) Q7
4044 20066.19(6)	4.8(5)		4074 20039.56(4)	25.5(10)	
4045 20065.23(3)	132.7(18) 20065.25		4075 20038.87(3)	52.5(10) 20038.88	
4046 20064.86(4)	37.9(16)		4076 20038.31(5)	15.8(11)	
4047 20064.27(6)	7.1(6)		4077 20037.34(5)	10.2(8)	
4048 20063.64(4)	15.1(5)	S+ GK-2B (3-3) P2	4078 20036.37(3)	172.9(12) 20036.37	S+ GK-2B (3-3) P3 S- 3E-2B (5-10) Q7
4049 20063.03(3)	82.4(5) 20063.03		4079 20035.82(4)	22.7(11)	
4050 20062.15(9)	2.3(5)		4080 20034.53(3)	22.0(6) 20034.51	
4051 20060.11(3)	51.1(5) 20060.07		4081 20033.58(5)	6.3(4)	
4052 20059.53(3)	114.9(6) 20059.51		4082 20032.97(5)	5.4(4)	
4053 20058.43(2)	182.9(8) 20058.45	S- 3E-2B (0-2) Q8	4083 20032.13(3)	95.6(7) 20032.15	<b>T- 4c-2a (3-4) Q4</b>
4054 20057.89(6)	9.2(7)		4084 20031.69(4)	18.2(7) 20031.67	
4055 20057.36(4)	13.5(7)		4085 20030.95(4)	12.6(4) 20030.95	
4056 20056.58(3)	108.1(8)		4086 20030.24(3)	60.7(4) 20030.27	
4057 20056.10(6)	6.3(8)		4087 20029.42(5)	6.2(4)	
4058 20055.15(6)	4.1(5)	<b>T- 4c-2a (3-4) Q2</b> <b>T+ 4b-2a (2-2) R0</b>	4088 20028.68(3)	72.4(9) 20028.66	S+ GK-2B (4-4) P2
4059 20054.36(4)	12.1(5)		4089 20028.25(6)	11.1(9)	
4060 20052.32(3)	25.9(5)		4090 20027.78(3)	165.4(9) 20027.79	
4061 20051.72(4)	10.2(5)		4091 20025.85(7)	2.6(4)	
4062 20050.93(3)	85.6(5) 20050.94		4092 20025.04(4)	11.2(4)	
4063 20049.97(3)	29.8(5)	<b>T+ 4b-2a (2-2) R0</b>	4093 20024.48(4)	9.1(4)	<b>T+ 4c-2a (4-5) R4</b> <b>T- 4c-2a (3-4) Q5</b>
4064 20049.16(2)	196.2(6)		4094 20023.35(7)	3.1(4)	
4065 20048.55(5)	6.4(5)		4095 20022.69(3)	46.5(4) 20022.71	
4066 20047.69(3)	17.0(5)		4096 20021.68(6)	3.2(4)	
4067 20046.92(5)	9.1(5)		4097 20020.19(5)	9.4(8)	
4068 20046.31(5)	11.1(6)	S+ GK-2B (9-8) P4 <b>T- 4c-2a (3-4) Q3</b>	4098 20019.44(3)	53.1(9) 20019.43	<b>T+ 4c-2a (4-5) R4</b> <b>T- 4c-2a (3-4) Q5</b>
4069 20045.76(3)	129.2(7) 20045.71		4099 20018.71(3)	44.1(9) 20018.72	
4070 20044.05(4)	18.8(8)		4100 20017.82(5)	14.5(9)	
4071 20042.87(3)	45.9(8) 20042.85		4101 20017.12(3)	166.6(9) 20017.15	
4072 20041.24(4)	21.0(8) 20041.27		4102 20016.52(3)	170.4(9) 20016.50	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4161 19964.13(6)	5.7(6)		4191 19937.56(3)	67.1(11)	19937.54
4162 19963.62(3)	56.5(6)		4192 19936.88(3)	207.2(11)	19936.91
4163 19963.06(6)	6.1(6)		4193 19934.91(4)	31.1(11)	
4164 19962.02(3)	141.4(5)	19962.04	4194 19934.20(5)	72(8)	
4165 19961.33(6)	4.7(5)		4195 19933.90(3)	599(7)	19933.88
4166 19960.63(3)	66.4(9)		4196 19933.36(4)	74.2(17)	
4167 19960.21(3)	132.5(9)	19960.22	4197 19930.44(3)	112.8(16)	
4168 19959.48(5)	6.4(5)		4198 19929.95(3)	295.4(16)	19930.00
4169 19958.80(3)	97.2(5)	19958.78	4199 19929.27(3)	76.4(11)	
4170 19956.64(5)	8.0(5)		4200 19928.60(5)	18.8(11)	
4171 19956.09(3)	62.0(5)	19956.08	4201 19927.06(6)	9.9(10)	
4172 19955.22(5)	5.7(5)		4202 19926.01(3)	202.6(5)	19926.04
4173 19954.47(7)	3.5(5)		4203 19925.20(7)	8.2(11)	
4174 19953.64(3)	334.5(6)	19953.62	4204 19924.37(3)	268.3(5)	19924.41
4175 19953.04(4)	22.5(6)		4205 19923.64(3)	126.8(7)	19923.60
4176 19952.51(3)	33.9(6)		4206 19923.18(5)	9.1(7)	
4177 19951.85(4)	15.5(5)		4207 19922.00(4)	8.7(4)	
4178 19951.18(6)	4.6(5)		4208 19921.26(3)	29.1(4)	
4179 19950.53(6)	6.9(8)		4209 19920.02(6)	4.4(4)	
4180 19949.63(3)	185.7(8)	19949.62	4210 19918.93(4)	12.6(4)	
4181 19948.83(5)	10.1(8)		4211 19917.74(6)	4.7(4)	
4182 19947.81(3)	51.2(8)		4212 19917.00(4)	10.5(5)	
4183 19946.91(6)	7.1(8)		4213 19916.41(5)	7.6(5)	
4184 19944.30(6)	8.2(9)		4214 19915.61(4)	24.4(13)	
4185 19943.67(3)	219.0(9)	19943.64	4215 19915.26(3)	74.7(13)	19915.28
4186 19942.53(3)	40.8(8)		4216 19914.30(7)	9.2(16)	
4187 19941.14(5)	11.7(9)		4217 19913.98(3)	50.8(16)	
4188 19940.34(3)	147.5(10)	19940.34	4218 19912.71(3)	93.5(5)	19912.70
4189 19939.63(5)	15.1(9)		4219 19912.07(3)	38.9(5)	
4190 19938.21(5)	19.4(11)		4220 19911.53(4)	10.7(5)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4221 19910.72(4)	18.9(4)	S+ 3E-2B (0-2) R1	4250 19890.47(3)	119.8(7)	T- 4c-2a (4-5) Q4
4222 19909.94(4)	28.4(7)		4251 19889.72(3)	35.9(7)	
4223 19909.48(4)	32.3(6)		4252 19888.88(3)	48.3(8)	
4224 19908.83(4)	84(11)		4253 19888.28(3)	138.1(8)	
4225 19908.64(5)	42(11)		4254 19887.66(5)	12.5(7)	
4226 19907.68(4)	19.0(5)		4255 19884.145(18)	30.9(6)	
4227 19907.04(3)	39.4(5)		4256 19883.60(3)	15.1(6)	
4228 19906.15(5)	14.2(18)		4257 19882.981(19)	22.2(5)	
4229 19905.80(4)	72.6(13)		4258 19881.889(13)	77.0(5)	
4230 19905.37(6)	10.1(11)		4259 19880.73(2)	16.9(5)	
4231 19903.99(5)	8.2(7)	T- 4c-2a (4-5) Q3	4260 19880.034(12)	195.2(6)	T- 4c-2a (4-5) Q5
4232 19903.10(3)	37.0(7)		4261 19879.33(3)	11.9(5)	
4233 19902.17(5)	17.5(14)		4262 19878.32(7)	2.6(5)	
4234 19901.69(8)	24(5)		4263 19877.46(3)	28(3)	
4235 19901.36(5)	53(4)		4264 19877.173(13)	281(4)	
4236 19900.89(4)	61.4(15)		4265 19875.493(17)	29.6(6)	
4237 19900.09(3)	551.2(9)		4266 19873.896(17)	36.6(7)	
			4267 19873.313(19)	73(2)	
			4268 19872.99(3)	31(2)	
4238 19899.31(4)	14.7(7)	S- 3E-2B (5-10) Q4	4269 19872.221(12)	161.8(6)	S- 3E-2B (5-10) Q3
4239 19898.62(4)	26.6(7)		4270 19870.176(13)	74.5(6)	
4240 19897.82(3)	36.2(7)		4271 19869.367(13)	114.6(7)	
4241 19897.11(3)	506(4)		4272 19868.882(14)	75.0(7)	
4242 19896.82(3)	151(4)		4273 19867.712(17)	28.6(6)	
4243 19896.22(5)	16.2(8)		4274 19866.624(14)	98.9(8)	
4244 19895.51(4)	34.8(7)		4275 19866.16(2)	22.1(8)	
4245 19894.90(5)	10.5(7)		4276 19865.247(12)	237.3(7)	
4246 19894.12(3)	308.4(8)		4277 19864.71(5)	6.5(7)	
4247 19893.34(4)	25.5(8)		4278 19863.25(3)	12.3(7)	
4248 19892.81(3)	47.7(8)	T+ 3c-2a (2-0) R2	4279 19862.73(4)	9.1(7)	T+ 4b-2a (2-2) P4
4249 19891.40(4)	27.5(7)				
		S- 3E-2B (3-7) Q5			S- 3E-2B (0-2) Q4



Table II (Continued).

$K \nu, \text{ cm}^{-1}$	$I, \text{ counts}$	$\nu_R, \text{ cm}^{-1}$	Assignment	$K \nu, \text{ cm}^{-1}$	$I, \text{ counts}$	$\nu_R, \text{ cm}^{-1}$	Assignment
4280 19861.878(13)	87.9(6)	19861.87	<b>T- 4c-2a (4-5) Q6</b>	4310 19838.702(19)	452.3(11)	19838.73	S- 3E-2B (0-2) Q3
4281 19860.75(2)	20.6(9)			4311 19838.01(4)	14.1(9)		
4282 19860.30(6)	7.2(8)			4312 19836.94(4)	11.0(8)		
4283 19859.69(5)	6.8(6)			4313 19835.43(5)	8.7(9)		
4284 19859.000(14)	147.7(17)	19859.01	S+ GK-2B (6-6) R1	4314 19834.84(5)	10.5(9)		S- 3E-2B (5-10) Q1
4285 19858.60(3)	36.7(13)		<b>T+ 4c-2a (4-5) P2</b>	4315 19832.94(2)	56.1(8)	19832.92	
4286 19858.22(4)	17.1(18)		<b>T+ 3c-2a (2-0) R0</b>	4316 19832.01(2)	81.2(8)	19832.03	
4287 19857.35(3)	16.9(8)			4317 19830.38(4)	13.6(8)		
4288 19856.833(17)	102.5(17)			4318 19828.50(3)	17.9(5)		<b>T+ 4c-2a (4-5) P3</b> S- 3E-2B (3-7) Q3
4289 19856.47(6)	9.2(19)			4319 19827.62(3)	12.3(5)		
4290 19855.816(12)	166.0(6)	19855.82	S- 3E-2B (3-7) Q4	4320 19826.70(3)	23.1(6)		
4291 19855.17(3)	10.6(6)		S+ GK-2B (1-2) R9	4321 19826.10(3)	21.7(6)		
4292 19854.367(16)	58.0(8)			4322 19825.31(2)	313.0(8)	19825.32	S+ 3F-2B (2-6) P5
4293 19853.818(12)	515.5(9)	19853.80		4323 19824.79(4)	10.4(7)		
4294 19853.14(5)	4.9(6)			4324 19823.60(2)	92.6(6)		
4295 19852.30(2)	17.0(6)		S+ 3E-2B (0-2) P4	4325 19822.76(3)	17.5(6)		S+ GK-2B (5-5) P4 S- 3E-2B (0-2) Q2 S+ 3E-2B (3-7) R0
4296 19851.313(12)	154.0(6)	19851.30	S- 3E-2B (5-10) Q2	4326 19822.22(2)	55.7(6)		
4297 19848.301(19)	36.6(9)			4327 19821.53(4)	8.3(6)		
4298 19847.852(19)	40.7(9)			4328 19820.96(2)	57.1(6)		
4299 19847.171(12)	231.1(6)	19847.17	S+ GK-2B (5-5) P3	4329 19820.26(2)	85.8(9)		S+ 3E-2B (0-2) P3
4300 19846.339(13)	186.4(12)	19846.34	S+ GK-2B (6-6) R0 S+ 3E-2B (0-2) R0	4330 19819.84(2)	180.2(10)	19819.83	
4301 19845.921(19)	54.1(11)			4331 19818.15(3)	13.6(5)		
4302 19845.25(3)	40(4)			4332 19816.83(3)	24.2(5)		
4303 19844.93(3)	60(3)		<b>T- 4c-2a (4-5) Q7</b>	4333 19815.80(3)	20.1(5)		S+ 3E-2B (0-2) P3
4304 19844.52(3)	44(2)			4334 19815.01(5)	6.6(6)		
4305 19843.926(17)	51.7(7)			4335 19814.40(2)	266.7(16)	19814.41	
4306 19843.382(17)	40.4(7)			4336 19814.02(2)	89.9(14)		S+ 3F-2B (2-6) R1
4307 19842.36(2)	33.1(7)		S+ 3F-2B (2-6) R1	4337 19813.48(3)	16.8(7)		
4308 19841.43(4)	12.8(8)			4338 19812.84(2)	35.0(6)		
4309 19839.50(3)	25.6(8)			4339 19812.09(3)	30.2(7)		

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	
4340 19811.62(2)	46.7(7)		<b>T- 3c-2a (2-0) Q2</b> S- 4E-2C (2-1) R4	4368 19786.17(3)	27.5(5)		T- 3c-2a (7-4) Q3	
4341 19810.39(4)	6.5(5)			4369 19785.60(7)	3.4(5)			
4342 19809.38(2)	40.6(5)			4370 19784.86(2)	63.9(5)			
4343 19807.860(19)	223.4(5)	19807.87		4371 19783.64(4)	8.9(5)			
4344 19807.06(2)	70.6(5)			4372 19783.03(3)	61.6(17)			
4345 19806.06(4)	6.6(5)		S- 3E-2B (0-2) Q1	4373 19782.71(2)	132.6(18)	19782.71	T- 3c-2a (7-4) Q3	
4346 19805.30(3)	11.9(5)			4374 19781.71(2)	154.2(6)	19781.67		
4347 19804.459(19)	252.5(6)	19804.44		4375 19781.13(5)	7.1(6)			
4348 19803.32(2)	35.3(5)			4376 19779.50(2)	174.3(6)	19779.53		S+ 3E-2B (3-7) P3
4349 19802.61(2)	126.0(5)	19802.61		4377 19778.61(3)	13.3(5)			
4350 19801.79(3)	11.2(5)		S- 3E-2B (3-7) Q2	4378 19777.61(2)	235.0(6)	19777.63	S+ GK-2B (6-6) P3 S+ GK-2B (2-3) R3	
4351 19801.19(3)	20.2(6)							
4352 19800.59(3)	20.8(5)		<b>T- 3c-2a (7-4) Q2</b>	4379 19776.58(4)	19.5(19)		<b>T- 4c-2a (5-6) Q1</b>	
4353 19799.64(4)	7.4(5)			4380 19776.27(3)	40.7(19)			
4354 19798.94(2)	60.9(5)	19798.92		4381 19774.88(3)	28.6(7)			
4355 19797.82(3)	11.2(5)			4382 19774.39(2)	179.1(9)			
4356 19796.21(2)	81.8(5)	19796.21		4383 19773.94(5)	8.3(9)			
4357 19793.87(3)	28.5(4)		S+ GK-2B (6-6) P2	4384 19772.49(3)	31.9(5)		S+ WZ-2B (0-7) P4	
4358 19793.10(3)	17.6(4)			4385 19771.36(4)	24(3)			
4359 19791.85(2)	48.4(5)		<b>T- 3c-2a (2-0) Q3</b> <b>T+ 4c-2a (4-5) P4</b>	4386 19771.08(3)	76(3)		<b>T- 4c-2a (5-6) Q2</b> <b>T- 3c-2a (2-0) Q4</b>	
4360 19791.15(6)	4.7(6)			4387 19770.43(2)	81.0(6)			
4361 19790.65(3)	16.4(6)			4388 19769.71(3)	41.7(6)		S+ 3E-2B (3-7) P2	
4362 19789.88(2)	422.6(5)	19789.89		4389 19769.17(2)	59.8(6)			
				S+ 3E-2B (0-2) P2 S+ GK-2B (1-2) R8	4390 19768.47(5)	5.0(5)		S+ GK-2B (7-7) R3 <b>T- 4c-2a (5-6) Q3</b>
			4391 19767.15(3)		24.3(5)			
4363 19788.96(2)	105.0(9)		4392 19766.46(2)	107.6(5)				
4364 19788.51(6)	12.3(10)		4393 19765.40(2)	113.5(5)	19765.39			
4365 19788.11(3)	30.5(12)		4394 19763.33(2)	59.2(5)				
4366 19787.49(2)	226.6(5)	19787.52	S- 3E-2B (3-7) Q1	4395 19762.58(3)	24.1(5)			
4367 19786.70(5)	6.2(5)			4396 19761.18(3)	40.4(6)			

Table II (Continued).

K $\nu$ , cm <sup>-1</sup>	$I$ , counts $\nu_R$ , cm <sup>-1</sup>	Assignment	K $\nu$ , cm <sup>-1</sup>	$I$ , counts $\nu_R$ , cm <sup>-1</sup>	Assignment
4397 19760.57(4)	12.9(7)		4425 19738.12(2)	30.6(6)	
4398 19760.09(4)	13.0(7)		4426 19737.09(5)	4.8(6)	
4399 19758.42(5)	5.9(6)		4427 19736.46(2)	42.1(6)	
4400 19757.47(6)	6.2(7)		4428 19735.39(4)	10.0(6)	
4401 19756.79(2)	205.0(10)		4429 19734.757(17)	1062.4(16)	19734.78
4402 19756.32(3)	27.0(10)				
4403 19755.41(2)	142.1(7)				
		<b>T+ 4c-2a (4-5) P5</b>	4430 19734.24(3)	28.6(12)	
4404 19754.67(7)	4.8(6)	S+ GK-2B (6-6) P4	4431 19732.74(3)	12.9(8)	
4405 19753.85(5)	8.9(7)		4432 19731.440(19)	101.5(8)	19731.42
4406 19753.26(3)	90.0(10)		4433 19730.641(19)	97.1(8)	19730.64
4407 19752.80(3)	29.3(11)		4434 19729.71(3)	20.3(8)	
4408 19751.20(3)	24.0(6)		4435 19728.829(19)	122.0(8)	19728.86
4409 19750.47(2)	91.6(7)				
4410 19749.62(3)	15.1(6)		4436 19727.45(3)	13.2(8)	
4411 19748.75(3)	12.1(6)		4437 19725.42(2)	86.4(8)	
4412 19747.98(2)	111.4(6)		4438 19724.756(18)	152.8(8)	19724.73
4413 19746.58(6)	3.7(5)		4439 19723.59(2)	46.7(8)	19723.58
4414 19744.91(2)	54.2(9)		4440 19722.50(3)	12.8(8)	
4415 19744.46(7)	6.3(8)		4441 19721.433(18)	170.3(8)	19721.45
4416 19743.927(19)	119.7(7)		4442 19720.86(5)	7.9(8)	
4417 19743.218(19)	94.4(6)		4443 19719.73(3)	24.6(8)	
4418 19742.23(2)	126(8)		4444 19717.30(2)	49.9(8)	19717.28
4419 19742.03(4)	36(8)		4445 19715.87(2)	74.7(9)	
4420 19741.17(2)	52.4(7)		4446 19715.32(2)	82.1(9)	
4421 19740.644(18)	440.8(11)		4447 19714.749(18)	306.6(12)	19714.77
		<b>T- 4c-2a (5-6) Q5</b>	4448 19714.31(3)	37.7(13)	
		S- 3E-2B (1-4) Q7	4449 19712.475(19)	101.4(6)	19712.48
4422 19740.18(2)	48.8(9)		4450 19711.84(3)	17.9(6)	
4423 19739.62(6)	4.7(6)		4451 19710.74(4)	9.5(6)	
4424 19738.818(17)	244.0(6)		4452 19709.53(6)	4.5(6)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4453 19708.04(2)	26.4(6)		4483 19679.054(19)	15.3(5)	
4454 19707.02(3)	17.0(6)		4484 19678.373(8)	442.7(6)	19678.38
4455 19706.34(2)	68.5(6)	19706.33	4485 19677.836(8)	413.1(6)	19677.85
4456 19703.04(3)	11.1(7)		4486 19676.91(4)	11.1(13)	
4457 19700.461(17)	26.8(8)		4487 19676.55(3)	14.1(12)	
4458 19699.84(5)	6.2(8)		4488 19675.88(2)	12.2(5)	
4459 19699.097(15)	40.2(8)	19699.09	4489 19675.09(3)	6.6(5)	
4460 19698.501(11)	78.8(8)	19698.50	4490 19674.43(5)	4.1(5)	
4461 19696.75(2)	13.4(7)		4491 19673.81(4)	7.2(6)	
4462 19695.714(15)	30.2(7)		4492 19673.26(2)	45(2)	
4463 19694.79(2)	17.2(7)		4493 19672.971(11)	161(3)	19672.97
4464 19693.296(16)	25.7(7)		4494 19672.119(17)	17.2(5)	
4465 19691.569(13)	89.1(8)		4495 19671.31(2)	11.6(5)	
4466 19691.083(14)	60.2(9)		4496 19670.28(3)	5.9(5)	
4467 19690.06(2)	36.7(18)		4497 19669.569(12)	82.2(11)	19669.56
4468 19689.74(2)	29(2)		4498 19668.970(15)	22.4(5)	
4469 19688.94(2)	13.4(6)		4499 19667.670(15)	42.8(10)	
4470 19688.426(8)	464.6(8)	19688.43	4500 19666.44(2)	31.2(13)	
4471 19687.864(14)	39.7(6)		4501 19665.947(17)	49.3(13)	
4472 19687.32(2)	15.1(6)		4502 19664.66(2)	18.5(10)	
4473 19686.57(3)	8.3(5)		4503 19663.432(11)	109.9(11)	
4474 19685.778(9)	234.7(6)	19685.78	4504 19662.802(10)	172.4(11)	19662.79
4475 19685.20(2)	12.1(6)		4505 19661.988(15)	44.2(10)	
4476 19683.456(13)	34.1(5)		4506 19658.474(12)	106.3(16)	19658.47
4477 19682.784(9)	112.7(5)	19682.78	4507 19658.026(12)	116.7(15)	19658.01
4478 19681.77(5)	6.0(9)		4508 19657.259(16)	40.3(10)	19657.26
4479 19681.34(2)	25.4(8)		4509 19653.839(19)	198.4(12)	19653.86
4480 19680.82(2)	38.2(14)		4510 19651.98(3)	170.1(13)	19652.00
4481 19680.47(5)	9.9(16)		4511 19651.16(3)	871.5(15)	19651.19
4482 19679.785(9)	243.1(6)	19679.79			

**T + 4c-2a (5-6) P4**  
 S 3A-2B (3-9) R5  
 S- 3E-2B (4-9) Q7  
 S+ GK-2B (2-3) P4  
 S+ GK-2B (1-2) R5

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4512 19650.42(5)	14.6(13)		4542 19624.89(5)	8.7(6)	
4513 19648.60(5)	14.1(13)		4543 19624.03(5)	9.4(7)	S+ GK-2B (7-7) P5
4514 19647.51(3)	95.1(13)		4544 19623.46(6)	9.1(9)	S+ 3F-2B (3-8) P5
4515 19645.15(3)	311.5(8)	S+ EF-2B (32-5) P3	4545 19622.67(3)	406.4(7)	S+ GK-2B (1-2) R4
4516 19644.54(5)	21.8(13)		4546 19621.87(4)	15.2(7)	
4517 19643.94(6)	7.8(7)		4547 19621.33(3)	81.1(8)	<b>T+ 4c-2a (5-6) P5</b>
4518 19643.40(4)	22.7(7)	<b>T- 4c-2a (6-7) Q1</b>	4548 19620.82(3)	94.8(19)	S+ 3E-2B (1-4) P6
4519 19642.60(3)	24.1(6)		4549 19620.45(4)	45.2(18)	
4520 19641.87(6)	5.9(6)		4550 19619.97(5)	13.5(9)	
4521 19641.11(6)	5.3(6)		4551 19619.39(6)	7.4(7)	
4522 19640.20(3)	41.9(10)		4552 19618.78(11)	5.8(16)	
4523 19639.73(3)	503.9(11)	S- 3E-2B (1-4) Q5	4553 19618.43(4)	29.1(17)	
4524 19639.11(4)	13.3(7)		4554 19617.54(6)	5.9(6)	
4525 19638.42(3)	49.8(6)	<b>T- 4c-2a (6-7) Q2</b>	4555 19616.73(4)	14.5(6)	
4526 19637.63(5)	7.9(6)		4556 19616.13(4)	13.8(6)	
4527 19636.63(5)	9.4(7)		4557 19615.03(3)	138.0(6)	
4528 19636.03(4)	27.2(7)		4558 19614.19(3)	28.4(6)	S+ GK-2B (7-7) P4
4529 19635.47(3)	115.7(11)	S+ GK-2B (7-7) P3	4559 19613.31(5)	8.9(6)	
4530 19635.06(4)	27.7(12)		4560 19612.28(3)	149.3(9)	S+ 3E-2B (1-4) R1
4531 19634.04(5)	10.2(6)		4561 19609.79(2)	269.4(13)	
4532 19633.40(4)	13.7(6)		4562 19609.09(4)	30.7(13)	
4533 19632.32(7)	5.3(7)		4563 19608.30(6)	9.9(13)	
4534 19631.79(4)	25.4(7)		4564 19606.80(4)	23.0(13)	
4535 19631.19(4)	11.4(7)		4565 19605.15(5)	14.1(13)	
4536 19630.44(3)	42.1(6)		4566 19604.46(5)	20.9(15)	
4537 19629.49(3)	50.9(6)	S 3A-2B (2-7) R1	4567 19603.93(3)	47.2(15)	
4538 19628.26(4)	13.0(6)		4568 19602.32(2)	936.1(17)	S+ GK-2B (1-2) R3
4539 19626.81(3)	28.0(6)				S- 3E-2B (1-4) Q4
4540 19626.17(4)	21.6(8)		4569 19601.55(5)	15.2(13)	
4541 19625.69(5)	10.2(8)		4570 19599.60(4)	22.5(14)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4571 19597.42(3)	90.4(14) 19597.40	S- 3E-2B (4-9) Q6	4600 19567.61(3)	25.1(9)	S+ GK-2B (8-8) R1 S- 5E-2B (0-12) Q1 <b>T+ 3c-2a (3-1) R2</b> S+ 3E-2B (1-4) R0 S- 3E-2C (5-0) Q5
4572 19595.68(4)	20.1(14)		4601 19566.32(2)	86.6(7) 19566.34	
4573 19594.80(4)	32.7(14)		4602 19565.70(4)	8.7(5)	
4574 19593.28(3)	37.9(15)		4603 19565.05(2)	125.1(12)	
4575 19592.61(4)	28.0(15)		4604 19564.68(3)	72.7(12)	
4576 19591.64(4)	24.5(15)		4605 19563.99(3)	38.5(5)	
4577 19591.03(4)	30.7(15)		4606 19563.32(5)	4.9(5)	
4578 19590.22(3)	61.1(15) 19590.21		4607 19562.59(5)	5.7(5)	
4579 19589.45(2)	291.6(15) 19589.43		4608 19562.06(3)	12.8(5)	
4580 19588.35(4)	20.4(14)	S+ GK-2B (1-2) R2	4609 19561.05(4)	12.7(6)	
4581 19586.94(3)	79.3(18) 19586.94	S+ EF-2B (32-5) P5	4610 19560.55(4)	12.8(6)	S+ GK-2B (8-8) R0 S 3A-2B (2-7) P6
4582 19586.44(6)	17.0(18)		4611 19559.95(3)	21.8(6)	
4583 19585.06(4)	22.9(14)		4612 19559.49(5)	7.5(7)	
4584 19583.25(3)	120.9(14)	S+ GK-2B (1-2) R1	4613 19557.86(2)	98.3(5) 19557.85	
4585 19582.06(2)	365.6(15) 19582.04		4614 19556.94(3)	10.8(5)	
4586 19581.29(5)	18.9(14)		4615 19556.15(3)	22.9(5)	
4587 19578.86(3)	75.3(9)	T+ 3c-2a (3-1) R4 S+ GK-2B (1-2) R0 <b>T+ 3c-2a (3-1) R4</b> S+ 3E-2B (1-4) P5 S+ GK-2B (8-8) R2 <b>T+ 3c-2a (3-1) R3</b> S- 3E-2B (1-4) Q3	4616 19555.02(5)	6.1(5)	
4588 19577.59(6)	8.3(9)		4617 19554.38(3)	14.0(5)	
4589 19576.78(3)	116(8)		4618 19553.55(4)	7.5(5)	
4590 <b>19576.55(4)</b>	77(8)		4619 19552.84(2)	55.1(6) 19552.82	
4591 19575.44(3)	172.9(18) 19575.43	S+ 3E-2B (1-4) P5 S+ GK-2B (8-8) R2 <b>T+ 3c-2a (3-1) R3</b> S- 3E-2B (1-4) Q3	4620 19552.32(5)	7.1(6)	S 3A-2B (2-7) P4  S- 3E-2B (1-4) Q2 S- 3E-2B (4-9) Q5  S+ 3E-2B (1-4) P4 S+ GK-2B (1-2) P1  S 3A-2B (2-7) P2
4592 19575.04(3)	55.8(18) 19575.06		4621 19551.63(2)	191.0(5) 19551.65	
4593 19574.05(3)	53.8(9)		4622 19550.70(2)	217.2(6) 19550.70	
4594 19573.03(2)	483.0(11) 19573.01		4623 19550.07(2)	70.8(8)	
4595 19572.26(5)	10.6(10)		4624 19549.62(2)	247.4(8)	
4596 19571.54(3)	46.2(9) 19571.55		4625 19548.97(6)	4.8(5)	
4597 19570.33(4)	18.7(10)		4626 19548.33(4)	8.4(5)	
4598 19569.65(4)	23.5(10)	S- 3E-2B (1-4) Q3	4627 19547.02(4)	17.5(14)	
4599 19568.34(5)	9.2(9)				

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4628 19546.62(3)	48.2(11)	S 3A-2B (3-9) R3	4658 19525.43(2)	47.4(5)	19525.40
4629 19546.22(3)	61.0(13)		4659 19524.59(3)	16.1(5)	
4630 19545.63(4)	13.1(6)		4660 19523.89(5)	7.0(5)	
4631 19544.80(2)	109.6(6)		4661 19523.11(2)	154.1(6)	19523.13
4632 19544.27(3)	27.0(6)		4662 19522.53(3)	36.1(6)	
4633 19543.46(3)	11.3(5)		4663 19521.77(2)	63.3(5)	19521.78
4634 19542.64(4)	8.5(5)		4664 19520.77(4)	11.3(5)	
4635 19541.86(3)	13.2(5)		4665 19519.97(4)	9.5(4)	
4636 19541.09(3)	18.2(5)		4666 19518.87(3)	19.7(5)	19518.88
4637 19540.52(3)	14.0(5)		4667 19518.31(5)	6.7(5)	
4638 19539.78(4)	8.7(6)	S- 3E-2B (1-4) Q1	4668 19517.03(3)	21.2(5)	
4639 19539.23(3)	20.8(6)		4669 19516.50(3)	22.7(5)	
4640 19538.39(4)	11.3(5)		4670 19515.77(6)	5.0(5)	
4641 19537.71(2)	238.2(6)		4671 19515.24(4)	14.6(5)	
4642 19536.90(2)	160.1(11)		4672 19514.46(7)	2.8(4)	
4643 19536.44(3)	190(4)		4673 19513.76(3)	27.1(4)	
4644 19536.16(4)	33(4)		4674 19512.90(3)	50.1(12)	19512.91
4645 19535.53(5)	7.9(6)		4675 19512.55(8)	6.0(12)	
4646 19534.83(3)	20.8(5)		4676 19511.81(3)	112.5(5)	19511.85
4647 19534.10(3)	60.5(10)		4677 19511.23(4)	11.5(5)	
4648 19533.66(4)	21.4(9)	T+ 3c-2a (3-1) R0 S+ GK-2B (8-8) P1 S+ 3E-2B (1-4) P3	4678 19510.24(5)	7.3(5)	
4649 19533.15(3)	22.8(7)		4679 19509.68(3)	53.2(5)	19509.70
4650 19532.33(4)	9.6(5)		4680 19508.92(5)	8.0(5)	
4651 19531.36(5)	6.3(5)		4681 19508.37(3)	41.1(9)	
4652 19530.48(4)	10.3(6)		4682 19507.94(3)	87.0(9)	
4653 19529.89(4)	10.8(6)		4683 19507.54(4)	33.1(11)	
4654 19528.89(2)	56.8(5)		4684 19506.77(5)	10.1(9)	
4655 19528.06(2)	55.4(5)		4685 19506.37(4)	18.6(9)	
4656 19527.13(5)	5.7(5)		4686 19505.79(4)	10.1(5)	
4657 19526.24(2)	179.2(6)		4687 19505.00(4)	8.4(5)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4688 19504.31(3)	139.1(5) 19504.32		4718 19481.66(4)	23.4(9)	
4689 19503.70(3)	25.3(5) 19503.69		4719 19480.84(3)	232.3(10) 19480.80	S- 3E-2B (4-9) Q3
4690 19502.61(3)	30.2(5) 19502.60		4720 19480.11(5)	13.6(10)	
4691 19502.08(3)	47.8(5) 19502.12	S+ 3E-2B (4-9) R1	4721 19479.57(5)	15.3(10)	
4692 19501.39(5)	19.7(17)		4722 19477.16(5)	9.9(9)	
4693 19501.07(6)	11.4(17)		4723 19476.20(3)	187.3(9) 19476.22	
4694 19500.43(6)	4.1(5)		4724 19475.13(3)	38.0(9) 19475.11	
4695 19499.11(5)	5.8(5)		4725 19474.22(6)	7.6(9)	
4696 19498.52(3)	21.4(5)		4726 19473.35(3)	56.1(10) 19473.33	
4697 19497.91(3)	56.6(5) 19497.91		4727 19472.80(3)	51.8(10) 19472.78	
4698 19497.15(3)	62.0(5) 19497.14		4728 19471.70(3)	327.0(10) 19471.74	S- 3E-2B (2-6) Q7
4699 19496.47(4)	28.2(10)		4729 19469.97(4)	25.5(7) 19470.00	
4700 19496.09(3)	132.3(10) 19496.05		4730 19469.04(6)	7.4(6)	
4701 19495.42(3)	118.3(5) 19495.46		4731 19468.33(4)	46.7(6) 19468.31	
4702 19494.74(4)	8.1(5)		4732 19467.63(5)	47(3)	
4703 19493.94(3)	36.1(5) 19493.89	S 3A-2B (3-9) R2	4733 19467.28(4)	132(3) 19467.37	T- 3c-2a (3-1) Q3 S+ GK-2B (8-8) P4
4704 19493.36(3)	76.0(5) 19493.35				
4705 19492.68(3)	52.1(5) 19492.68		4734 19466.32(4)	46.3(6) 19466.28	
4706 19491.86(3)	136.6(5) 19491.84		4735 19465.57(9)	6.3(8)	
4707 19490.64(3)	132(2) 19490.63	S+ GK-2B (1-2) P3	4736 19465.03(8)	6.9(8)	
4708 19490.23(5)	51(2)		4737 19464.01(8)	7.5(8)	
4709 19489.84(8)	13(3)		4738 19463.14(4)	82.1(8) 19463.17	
4710 19489.11(3)	137.2(9) 19489.09	S+ GK-2B (8-8) P3	4739 19462.07(4)	73.2(8) 19462.02	S+ GK-2B (1-2) P4
4711 19488.39(4)	15.4(9)		4740 19461.23(8)	10.4(9)	
4712 19487.38(5)	12.2(9)		4741 19460.56(4)	45.5(10) 19460.53	T- 3c-2a (8-5) Q1 S 3A-2B (3-9) R1
4713 19485.50(4)	17.0(9) 19485.56				
4714 19484.76(3)	131.6(9) 19484.74	T- 3c-2a (3-1) Q2	4742 19459.13(16)	2.6(7)	
4715 19484.00(4)	52.6(16)		4743 19458.17(5)	42.9(12) 19458.14	
4716 19483.58(4)	51.7(16)		4744 19457.58(4)	105.5(13) 19457.57	S- 3E-2B (4-9) Q2
4717 19482.63(5)	13.3(9)		4745 19456.46(8)	7.2(7)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4746 19454.76(5)	25.7(8)		4775 19424.93(2)	50.8(9)	S+ GK-2B (1-2) P6
4747 19453.98(4)	61.0(8)		4776 19424.31(2)	110.1(15)	
4748 19452.96(7)	8.5(8)		4777 19423.88(3)	34.9(16)	
4749 19452.10(8)	7.8(8)		4778 19422.78(2)	72.1(8)	
4750 19450.98(5)	19.0(7)		4779 19421.87(5)	8.5(8)	S+ GK-2B (1-2) P7
4751 19450.04(5)	29.7(8)		4780 19420.54(2)	159.7(7)	
4752 19449.17(7)	9.4(8)		4781 19419.61(2)	65.8(8)	
4753 19448.12(5)	25.9(7)	<b>T- 3c-2a (8-5) Q2</b>	4782 19418.28(4)	8.4(6)	
4754 19446.93(8)	7.1(7)		4783 19417.47(2)	151.1(7)	<b>T- 3c-2a (3-1) Q5</b> S- 3E-2B (2-6) Q6 S 3A-2B (3-9) P1
4755 19445.30(4)	141.9(8)		4784 19416.82(4)	9.5(7)	
4756 19444.52(4)	144.7(8)	<b>T- 3c-2a (3-1) Q4</b>	4785 19416.03(2)	85.8(8)	
4757 19443.38(7)	19.0(16)		4786 19415.54(2)	189.5(9)	
4758 19442.44(5)	49(3)		4787 19414.49(3)	25.2(6)	S- 4E-2B (0-9) Q5 S 3A-2B (3-9) P5
4759 19442.06(4)	114(3)	S- 3E-2B (4-9) Q1	4788 19413.76(4)	8.9(6)	
4760 19441.21(7)	10.2(10)		4789 19413.03(2)	33.2(6)	
4761 19440.69(5)	23.4(10)		4790 19412.12(2)	35.7(6)	
4762 19439.51(3)	75.0(7)	S+ GK-2B (1-2) P5	4791 19411.44(3)	25.3(8)	S- 3E-2B (3-8) Q10
4763 19438.87(6)	9.3(10)		4792 19410.91(3)	26.6(8)	
4764 19438.29(2)	275.4(11)	S+ GK-2B (1-2) P9 S+ 3E-2B (2-6) R3	4793 19410.37(2)	50.2(8)	
4765 19436.30(5)	8.2(8)		4794 19409.20(5)	5.6(6)	
4766 19435.51(2)	43.7(8)	S 3A-2B (3-9) R0	4795 19408.18(6)	4.7(6)	
4767 19434.59(5)	8.1(8)		4796 19406.53(4)	12.0(6)	
4768 19432.97(3)	21.9(8)		4797 19405.78(3)	49(2)	
4769 19432.25(4)	12.3(8)		4798 19405.41(4)	48.6(18)	
4770 19431.62(3)	37.1(8)	<b>T+ 3c-2a (3-1) P2</b>	4799 19404.96(2)	63.2(13)	
4771 19430.70(3)	37.9(8)		4800 19403.27(4)	8.1(6)	
4772 19429.60(2)	214.0(8)	T- 3c-2a (8-5) Q3	4801 19402.52(5)	5.5(6)	
4773 19427.61(3)	35.2(8)	S+ 3E-2B (4-9) P2	4802 19401.45(4)	7.5(6)	
4774 19426.85(2)	59.6(8)	S+ 3E-2B (4-9) P3	4803 19400.42(4)	9.6(6)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4804 19399.57(2)	62.2(6) 19399.56	<b>T+ 3c-2a (3-1) P3</b>	4834 19374.20(2)	34.5(9) 19374.17	<b>T- 3c-2a (8-5) Q5</b>
4805 19398.82(5)	5.6(6)		4835 19373.454(15)	240.1(9) 19373.45	
4806 19398.76(5)	5.1(5)		4836 19372.71(4)	10.4(9)	
4807 19397.66(5)	4.9(5)		4837 19371.36(2)	34.4(9)	
4808 19396.35(4)	11.5(7)		4838 19370.320(17)	83.2(9)	
4809 19395.83(3)	25.2(7) 19395.82		4839 19369.29(3)	13.2(9)	
4810 19395.00(5)	6.6(6)		4840 19368.52(3)	18.3(9)	
4811 19394.41(5)	6.5(6)		4841 19367.869(15)	465.8(12) 19367.88	
4812 19393.56(2)	73.7(6)		4842 19367.28(3)	22.8(10)	
4813 19392.19(3)	10.8(5)		4843 19366.72(4)	11.8(10)	
4814 19390.93(5)	18(2)		4844 19366.11(6)	7.6(10)	
4815 19390.60(5)	14(2)		4845 19365.50(6)	6.8(9)	
4816 19389.71(3)	12.0(5)		4846 19364.64(4)	9.1(9)	
4817 19388.84(3)	14.3(6)		4847 19362.61(4)	12.9(9)	
4818 19388.20(3)	29.8(10)		4848 19361.95(3)	18.7(9)	
4819 19387.75(2)	116.9(11)		4849 19361.22(2)	38.2(9)	
4820 19386.65(6)	4.5(5)		4850 19360.319(16)	134.6(9) 19360.31	
4821 19385.15(4)	9.4(8)		4851 19359.12(3)	17.4(9)	
4822 19383.95(2)	29.9(10)		4852 19357.98(2)	44.2(9)	
4823 19382.64(3)	26.0(16)		4853 19356.80(4)	8.9(9)	
4824 19382.15(2)	187(6)		4854 19356.06(3)	14.6(9)	
4825 19381.86(3)	87(7)		4855 19355.12(5)	6.8(9)	
4826 19380.71(3)	21.4(11)		4856 19354.20(3)	27.3(9)	
4827 19379.991(19)	62.7(11) 19380.00	<b>T- 3c-2a (3-1) Q6</b>	4857 19353.577(18)	70.3(9)	<b>S- 3E-2B (6-12) Q1</b>
4828 19378.31(4)	16.3(11)		4858 19352.80(2)	28.0(9) 19352.81	
4829 19377.74(3)	22.3(11)		4859 19352.06(4)	11.0(9)	
4830 19377.01(5)	11.0(11)		4860 19351.35(6)	7.6(9)	
4831 19376.41(4)	14.2(11)		4861 19350.69(6)	6.5(9)	
4832 19375.69(2)	40.9(11)		4862 19349.803(16)	242(2) 19349.79	
4833 19374.999(15)	386.7(10) 19375.00		4863 19349.40(2)	99.2(18)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4864 19348.792(16)	146.3(10) 19348.82	S+ GK-2B (9-9) R2	4894 19323.09(3)	15.9(7)	S+ EF-2B (29-4) P2
4865 19347.776(15)	172.8(9) 19347.78		4895 19322.47(4)	11.8(7)	
4866 19346.96(3)	16.6(9)		4896 19321.38(5)	7.2(7)	
4867 19345.99(5)	8.5(9)		4897 19320.61(3)	25.6(7)	
4868 19345.146(15)	175.8(9) 19345.15	S+ GK-2B (9-9) R1	4898 19319.28(2)	209.7(7) 19319.26	S+ GK-2B (3-4) R5
4869 19343.73(3)	14.9(9)		4899 19317.92(3)	19.6(7)	
4870 19342.71(2)	62.3(8) 19342.71		4900 19316.16(3)	17.7(7)	
4871 19340.95(2)	221.2(8) 19340.95		4901 19315.56(3)	35.0(7)	
4872 19340.29(5)	7.7(8)	<b>T+ 3c-2a (3-1) P4</b>	4902 19314.79(7)	4.0(7)	S- 3E-2C (5-0) P7
4873 19339.57(2)	80.4(8) 19339.59		4903 19314.02(4)	10.0(7)	
4874 19338.58(3)	44.0(8) 19338.55		4904 19313.12(4)	9.6(7)	
4875 19337.76(2)	115.3(8) 19337.74		4905 19312.09(2)	60.4(7) 19312.08	
4876 19337.00(3)	52.2(13) 19336.97	<b>T- 3c-2a (8-5) Q6</b>	4906 19311.21(5)	7.0(7)	S+ GK-2B (9-9) P1
4877 19336.58(4)	18.5(13)		4907 19310.39(4)	11.8(7)	
4878 19335.39(6)	5.6(8)		4908 19309.74(3)	69(4)	
4879 19334.53(2)	83.5(11) 19334.57		4909 19309.45(2)	153(3) 19309.49	
4880 19334.06(2)	89.0(11) 19334.07	S+ GK-2B (9-9) R0	4910 19308.86(5)	9.7(8)	S- 3E-2B (2-6) Q3
4881 19333.18(4)	13.6(8)		4911 19307.31(5)	6.2(7)	
4882 19332.47(4)	18.5(8) 19332.49		4912 19306.67(3)	14.1(7)	
4883 19331.89(3)	25.7(8) 19331.90		4913 19305.56(3)	17.9(6) 19305.58	
4884 19331.08(3)	28.1(8) 19331.07	S+ 3E-2B (2-6) R1	4914 19304.78(3)	17.5(6) 19304.76	S- 3E-2B (2-6) Q3
4885 19330.47(3)	54.6(8) 19330.43		4915 19304.01(3)	26.5(6) 19304.03	
4886 19329.81(2)	160.9(7) 19329.81		4916 19302.65(5)	6.5(6)	
4887 19329.15(4)	15.0(9)		4917 19301.45(3)	16.7(6)	
4888 19328.64(2)	245.9(10) 19328.65	S- 3E-2B (2-6) Q4	4918 19299.98(3)	16.1(6)	S- 3E-2B (2-6) Q3
4889 19328.00(5)	7.8(7)		4919 19299.30(4)	12.8(6)	
4890 19327.38(4)	9.0(7)		4920 19298.20(2)	101.6(7) 19298.19	
4891 19325.87(7)	4.3(7)		4921 19297.62(2)	390.1(9) 19297.61	
4892 19324.52(6)	6.9(8)	S- 3E-2B (3-8) Q9	4922 19296.64(3)	15.9(6)	S- 3E-2B (2-6) Q3
4893 19323.96(2)	156.8(8) 19323.95				

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4923 19295.37(3)	14.2(6)		4953 19266.98(4)	7.5(6)	
4924 19294.47(2)	43.5(9)	19294.47	4954 19266.26(3)	12.8(6)	
4925 19294.04(3)	23.7(9)		4955 19265.03(3)	13.9(6)	
4926 19293.031(15)	119.1(7)	19293.04	4956 19264.02(5)	5.1(6)	S+ 3E-2B (2-6) P5
4927 19292.49(2)	21.8(7)		4957 19262.97(5)	5.5(6)	
4928 19291.680(18)	37.1(6)	19291.67	4958 19262.28(3)	13.6(6)	S+ GK-2B (9-9) P2
4929 19288.63(2)	25.0(6)		4959 19261.49(4)	9.2(6)	
4930 19286.31(3)	11.7(6)		4960 19260.81(2)	34.4(9)	
4931 19285.684(18)	54.1(8)	19285.68	4961 19260.35(4)	10.1(10)	
4932 19285.173(18)	62.7(8)		4962 19259.449(14)	226.1(9)	19259.44
4933 19284.51(3)	10.0(7)		4963 19258.698(14)	242.5(9)	19258.69
4934 19283.51(3)	12.5(6)		4964 19257.709(15)	129.7(6)	19257.69
4935 19282.79(3)	14.3(9)		4965 19256.92(4)	6.6(6)	
4936 19282.34(2)	39.8(9)	19282.35	4966 19255.793(15)	130.6(6)	19255.79
4937 19281.47(6)	4.3(6)		4967 19254.98(2)	24.8(6)	
4938 19280.53(6)	3.7(6)		4968 19253.87(2)	82.8(7)	19253.86
4939 19278.95(4)	12.9(10)		4969 19252.95(3)	79.8(9)	19252.95
4940 19278.49(4)	16.2(10)		4970 19252.37(3)	61.3(9)	19252.38
4941 19278.06(4)	13.5(11)		4971 19251.43(4)	11.9(9)	
4942 19277.16(2)	25.1(6)	19277.16	4972 19250.47(2)	126.0(9)	19250.44
4943 19276.42(3)	13.4(6)		4973 19249.76(5)	11.6(9)	
4944 19275.653(15)	163.0(7)	19275.67	4974 19248.94(2)	228.7(10)	19248.99
4945 19274.600(15)	154.5(7)	19274.61	4975 19248.40(2)	142.9(10)	19248.42
4946 19273.384(17)	50.6(7)		4976 19247.70(4)	33.8(13)	
4947 19272.76(2)	27.1(7)	19272.76	4977 19247.26(3)	122.2(14)	19247.24
4948 19271.62(3)	14.3(6)		4978 19245.53(4)	12.5(9)	
4949 19270.77(4)	8.0(6)		4979 19244.75(7)	6.2(9)	
4950 19269.837(15)	90.1(7)	19269.84	4980 19244.00(2)	159.4(9)	19244.04
4951 19268.724(17)	57.5(6)	19268.73	4981 19243.33(3)	86.4(9)	
4952 19267.979(18)	37.2(6)	19267.97	4982 19242.54(5)	10.0(9)	

S- 3E-2B (2-6) Q1  
S+ GK-2B (3-4) R3

**T+ 3c-2a (4-2) R4**

**T+ 3c-2a (4-2) R3**

**T+ 3c-2a (4-2) R5**

S+ GK-2B (0-2) R1

S+ 3E-2B (2-6) P3

S+ GK-2B (3-4) R2

**T+ 3c-2a (4-2) R2**

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
4983 19241.76(2)	100.8(6) 19241.76	<b>T+ 3c-2a (4-2) R6</b> S- 4E-2C (5-4) R1	5011 19217.89(3)	39.3(6)	S+ GK-2B (0-2) P1 S+ GK-2B (9-9) P5
4984 19241.04(3)	25.2(9) 19241.05		5012 19217.06(4)	16.9(9)	
4985 19240.10(4)	20.7(9) 19240.06		5013 19216.63(4)	15.6(9)	
4986 19239.49(6)	8.5(9)		5014 19215.38(2)	92.1(7) 19215.38	
4987 19238.41(2)	158.9(6) 19238.41	S+ GK-2B (3-4) R1	5015 19214.80(3)	17.7(6)	S+ GK-2B (4-5) R0
4988 19237.56(3)	22.8(6) 19237.57	S+ 3E-2B (2-6) P2	5016 19213.66(3)	40.2(6)	
4989 19236.23(3)	39.4(7) 19236.25		5017 19213.05(4)	11.0(6)	
4990 19235.71(3)	20.2(7)		5018 19212.27(6)	4.6(6)	
4991 19235.03(5)	6.2(6)	<b>T+ 3c-2a (4-2) R0</b>	5019 19211.51(7)	4.1(6)	S+ GK-2B (0-2) R4
4992 19234.24(3)	31.1(7)		5020 19210.83(6)	5.1(6)	
4993 19233.72(3)	17.0(7)		5021 19210.15(6)	6.6(6)	
4994 19232.94(4)	13.9(6)		5022 19209.55(3)	37.3(7)	
4995 19232.32(4)	10.2(6)	<b>T+ 3c-2a (4-2) R1</b>	5023 19208.99(2)	103.2(7) 19208.98	S+ GK-2B (3-4) P1
4996 19231.70(5)	6.0(6)		5024 19208.33(2)	142.1(6) 19208.33	
4997 19230.94(4)	9.8(6)		5025 19207.51(4)	7.9(6)	
4998 19229.32(2)	100.1(8) 19229.32		5026 19206.67(4)	12.3(6)	
4999 19228.86(3)	30.5(8)	S+ GK-2B (3-4) R0	5027 19204.85(3)	15.7(6) 19204.87	S+ GK-2B (3-4) P1
5000 19228.12(3)	23.5(6)	S+ GK-2B (0-2) R3	5028 19203.51(7)	3.2(6)	
5001 19227.19(5)	7.0(6)	<b>T+ 3c-2a (4-2) R1</b>	5029 19202.24(4)	10.1(6)	
5002 19226.50(2)	95.2(6) 19226.50	<b>T+ 3f-2c (1-0) R4</b>	5030 19201.30(5)	6.0(6)	
5003 19225.63(3)	55.2(6) 19225.62	S+ GK-2B (4-5) R1	5031 19200.40(4)	8.8(6)	S+ GK-2B (3-4) P1
5004 19225.09(2)	93.8(6) 19225.05	<b>T+ 3f-2c (1-0) R3</b>	5032 19199.72(2)	34.7(6) 19199.74	
5005 19224.38(2)	98.1(6) 19224.36		5033 19198.84(3)	13.9(6)	
5006 19223.56(4)	9.3(6)		5034 19197.57(7)	3.3(6)	
5007 19223.03(3)	17.0(6) 19223.06	<b>T+ 3f-2c (1-0) R3</b>	5035 19196.56(4)	9.0(6)	S+ GK-2B (3-4) P1
5008 19222.26(3)	13.9(6) 19222.23		5036 19195.77(5)	7.2(8)	
5009 19221.38(4)	9.1(6) 19221.41		5037 19194.73(4)	16.3(9)	
5010 19219.66(3)	17.3(6)		5038 19194.05(2)	72.2(9) 19194.07	
			5039 19193.05(4)	10.7(8)	<b>T+ 3f-2c (1-0) R3</b>
			5040 19191.41(3)	36.5(13) 19191.43	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
5041 19190.93(4)	20.8(12)	S+ GK-2B (0-2) P2	5070 19167.55(3)	16.5(7)	<b>T- 3c-2a (4-2) Q2</b>
5042 19190.30(4)	11.9(9)		5071 19166.87(3)	22.8(6)	
5043 19189.33(4)	10.5(8)		5072 19166.133(19)	208.4(7)	
5044 19188.50(2)	79.6(9)		5073 19165.39(4)	9.5(6)	
5045 19187.31(3)	19.7(8)	T- 3f-2c (1-0) R3	5074 19164.67(5)	6.0(6)	S+ GK-2B (4-5) P2
5046 19186.10(2)	45.2(8)		5075 19163.85(4)	7.4(6)	
5047 19185.27(2)	261(3)	S+ GK-2B (9-9) P6	5076 19163.08(2)	70.2(6)	
5048 19184.89(4)	34(3)	S- 3E-2B (3-8) Q7	5077 19162.36(4)	12.2(6)	
5049 19183.44(4)	14.4(8)	S+ GK-2B (4-5) P1	5078 19161.59(4)	23.7(6)	S+ 3E-2B (0-3) R3
5050 19182.72(3)	38.0(9)		5079 19160.94(3)	52.1(6)	
5051 19182.04(4)	12.0(9)		5080 19160.12(5)	10.9(7)	
5052 19180.95(3)	19.2(8)		5081 19159.58(5)	8.2(7)	S+ GK-2B (0-2) P3
5053 19179.53(2)	45.7(8)	S+ GK-2B (3-4) P2	5082 19158.62(3)	25.8(6)	
5054 19178.18(3)	24.2(8)		5083 19157.76(7)	12(2)	
5055 19177.45(2)	100.6(7)		5084 19157.40(4)	64.6(16)	
5056 19176.81(5)	10.6(9)	<b>T- 3c-2a (4-2) Q1</b>	5085 19156.99(4)	26.3(17)	<b>T- 3f-2c (1-0) R2</b>
5057 19176.10(3)	38.3(18)		5086 19156.07(3)	72.1(7)	
5058 19175.76(4)	16.6(18)		5087 19155.56(5)	13.5(7)	
5059 19174.47(5)	6.8(6)		5088 19154.87(6)	6.1(6)	S+ GK-2B (3-4) P3
5060 19173.84(3)	14.2(6)	S- 3E-2B (0-3) Q8	5089 19154.13(3)	32.3(6)	
5061 19173.075(19)	119.1(6)		5090 19152.36(3)	47.0(8)	
5062 19172.40(3)	20.4(6)		5091 19151.41(4)	15.0(8)	
5063 19171.79(5)	7.2(7)	S- 3E-2B (5-11) Q5	5092 19150.12(5)	11.6(8)	<b>T- 3c-2a (4-2) Q3</b>
5064 19171.17(3)	35.8(14)		5093 19149.25(3)	144.6(8)	
5065 19170.75(2)	168.0(14)		5094 19148.32(6)	6.7(8)	
5066 19170.36(5)	15.0(18)		5095 19147.49(4)	16.3(8)	S+ GK-2B (4-5) P3
5067 19169.48(3)	19.1(6)	S+ GK-2B (4-5) P3	5096 19146.12(4)	15.7(8)	
5068 19168.78(3)	15.9(6)		5097 19144.11(5)	10.7(8)	
5069 19168.10(3)	14.6(7)		5098 19143.34(5)	10.5(8)	
			5099 19141.81(5)	12.5(8)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
5100 19139.75(8)	5.1(8)		5130 19115.56(5)	17.5(11)	
5101 19139.09(4)	27.3(8)	19139.06	5131 19115.10(4)	53.2(11)	19115.12
5102 19138.34(4)	14.2(8)		5132 19114.05(3)	68.9(8)	19114.07
5103 19137.60(4)	30.3(17)		5133 19113.43(3)	88.3(8)	19113.43
5104 19137.22(5)	17.8(18)		5134 19112.43(4)	22.0(8)	
5105 19136.27(5)	9.2(8)		5135 19111.85(4)	24.4(8)	
5106 19135.25(4)	29.7(8)	19135.26	5136 19111.15(3)	63.0(8)	19111.15
5107 19134.62(3)	241.9(10)	19134.61	5137 19110.51(4)	20.9(8)	
5108 19133.67(4)	26.6(9)	19133.66	5138 19109.72(5)	16.9(11)	
5109 19132.94(5)	11.7(9)		5139 19109.37(6)	9.0(12)	
5110 19132.20(8)	5.2(9)		5140 19108.60(5)	11.0(6)	
5111 19131.37(3)	42.0(9)	19131.36	5141 19108.09(5)	10.3(6)	
5112 19129.26(4)	26.3(9)	19129.27	5142 19106.92(3)	255.9(6)	19106.93
5113 19128.47(3)	148.7(9)	19128.44	5143 19106.05(4)	10.3(5)	
5114 19127.60(4)	16.2(9)		5144 19105.27(3)	27.0(5)	19105.25
5115 19126.89(3)	258.5(10)	19126.85	5145 19104.61(5)	8.2(6)	
5116 19126.02(5)	11.3(9)		5146 19104.10(5)	10.9(6)	
5117 19125.26(6)	8.5(9)		5147 19103.44(5)	27(3)	
5118 19124.17(4)	17.7(9)	19124.12	5148 19103.14(3)	119(2)	
5119 19123.59(4)	42.1(9)	19123.56	5149 19102.65(6)	7.4(7)	
5120 19122.90(8)	5.3(8)		5150 19101.91(7)	3.6(5)	
5121 19122.16(7)	6.7(8)		5151 19101.01(4)	24.5(14)	
5122 19121.58(3)	69.2(8)	19121.64	5152 19100.67(7)	8.6(13)	
5123 19120.96(3)	51.6(8)	19121.00	5153 19100.07(3)	91.2(6)	19100.03
5124 19120.25(3)	183.9(8)	19120.27	5154 19099.55(6)	7.6(6)	
5125 19119.53(4)	21.9(7)		5155 19099.00(3)	144.1(8)	19099.03
5126 19118.48(4)	16.2(7)		5156 19098.58(4)	21.3(8)	
5127 19117.78(5)	12.1(7)		5157 19097.85(4)	40.2(7)	19097.83
5128 19116.96(4)	25.3(7)		5158 19097.42(6)	8.1(7)	
5129 19116.21(4)	21.5(8)	19116.21	5159 19096.55(4)	17.7(5)	19096.52

**T+ 3c-2a (4-2) P2**

S- 4E-2C (5-4) P3

S+ 3F-2B (3-9) R5

S- 3E-2B (0-3) Q7

S+ GK-2B (3-4) P5

S- 3E-2B (5-11) Q3

**T- 3c-2a (4-2) Q5****T+ 3f-2c (1-0) R1**

S+ 3E-2B (0-3) P7

**T- 3c-2a (4-2) Q4**

S- 3E-2B (5-11) Q4

S- 3E-2B (3-8) Q6





Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
5218 19050.58(3)	154.7(8) 19050.56	S- 3E-2B (0-3) Q6	5248 19030.37(5)	6.4(7)	S- 3E-2B (1-5) Q9 T+ 3c-2a (4-2) P4
5219 19049.91(3)	142.9(8) 19049.89		5249 19029.45(3)	15.9(6)	
5220 19049.03(4)	54.1(4) 19049.01	T- 3f-2c (2-1) R4	5250 19028.68(3)	11.7(6)	
5221 19048.01(6)	5.4(5)		5251 19027.515(16)	273.2(7) 19027.51	
5222 19047.46(5)	10.9(5)	S+ GK-2B (5-6) P1	5252 19026.488(17)	126.4(6) 19026.51	
5223 19046.63(4)	40.1(4) 19046.68		5253 19025.26(3)	17.3(7)	
5224 19045.90(5)	17.3(7)		5254 19024.61(3)	15.3(7)	
5225 19045.45(5)	15.0(6)		5255 19024.07(5)	8.3(7)	
5226 19044.84(4)	13.9(5)		5256 19023.196(18)	95.4(10)	
5227 19043.92(4)	12.4(4)		5257 19021.92(4)	12.7(10)	T- 3f-2c (2-1) R3
5228 19043.24(4)	20.3(5)	S- 3E-2B (3-8) Q4 S+ 3E-2B (3-8) R1	5258 19021.17(2)	36.8(11) 19021.16	
5229 19042.72(6)	7.7(5)		5259 19020.62(4)	12.5(11)	
5230 19042.15(5)	8.3(5)		5260 19018.40(4)	11.2(10)	
5231 19041.52(6)	5.1(5)		5261 19016.49(2)	38.3(10)	
5232 19040.83(5)	9.0(6)		5262 19015.79(3)	21.9(10) 19015.81	
5233 19040.34(5)	14.4(6)		5263 19014.67(2)	40.0(10) 19014.64	
5234 19039.58(3)	171.4(6) 19039.58		5264 19014.09(3)	21.1(10)	
5235 19038.95(4)	96.3(7) 19038.92		5265 19013.133(19)	74.8(10)	
5236 19038.49(5)	20.0(7)		5266 19011.85(11)	2.9(10)	S+ GK-2B (6-7) R0
5237 19037.98(4)	23.3(6) 19037.93	S- 3E-2B (3-8) Q4 S+ 3E-2B (3-8) R1	5267 19010.94(6)	6.1(10)	
5238 19037.43(6)	6.8(5)		5268 19010.12(4)	11.5(10)	
5239 19036.78(5)	9.4(5)		5269 19009.35(2)	46.5(10) 19009.35	
5240 19035.51(4)	16.0(6) 19035.53		5270 19008.66(3)	27.3(11)	S- 3E-2B (3-8) Q3
5241 19034.82(4)	8.8(7)		5271 19008.13(4)	20.3(11)	
5242 19034.15(4)	8.2(7)		5272 19007.517(17)	320.4(12) 19007.51	
5243 19033.30(3)	31.9(12)		5273 19006.87(4)	17.6(13)	
5244 19032.88(2)	62.7(11)	S- 3E-2B (0-3) Q5	5274 19006.42(3)	26.9(14)	S- 3E-2B (0-3) Q5
5245 19032.18(5)	8.5(9)		5275 19005.30(2)	31.6(10)	
5246 19031.70(4)	12.0(9)		5276 19004.53(3)	20.5(10)	
5247 19030.99(3)	24.7(7) 19030.99		5277 19003.754(17)	291.4(12) 19003.75	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
5278 19003.07(2)	40.7(10) 19003.09		5308 18976.56(4)	8.0(9)	
5279 19001.76(2)	48.8(10) 19001.78	S+ 3E-2B (0-3) R1	5309 18975.83(4)	12.2(15)	
5280 19000.715(17)	187.3(10) 19000.70	S+ 3E-2B (0-3) P5	5310 18975.43(3)	20.4(15)	
5281 18999.75(5)	8.7(10)		5311 18974.732(7)	71.8(9) 18974.73	T+ 3c-2a (4-2) P5
5282 18998.73(4)	11.0(10)		5312 18973.630(12)	30.7(9)	
5283 18996.62(2)	45.0(10) 18996.60	S+ 3E-2B (3-8) R0	5313 18972.874(4)	343.3(10) 18972.87	S+ GK-2B (1-3) R9
5284 18995.23(2)	45.3(10)		5314 18972.027(11)	34.3(9)	
5285 18994.39(4)	11.6(11)		5315 18971.367(6)	123.4(9) 18971.36	
5286 18993.84(4)	14.3(11)		5316 18970.58(3)	11.4(9)	
5287 18992.86(2)	45.5(10)	<b>T+ 3f-2c (2-1) R2</b>	5317 18969.60(3)	9.5(9)	
5288 18992.102(19)	72.8(10) 18992.13	<b>T- 3f-2c (2-1) R2</b>	5318 18968.91(2)	18.5(12)	
5289 18990.65(3)	15.8(10)		5319 18968.46(4)	10.3(12)	
5290 18990.01(3)	31.0(10) 18989.99		5320 18967.669(5)	162.4(9) 18967.67	S- 3E-2B (3-8) Q1
5291 18989.29(2)	40.9(10)		5321 18966.209(5)	145.5(9)	
5292 18987.604(16)	32.2(7) 18987.59		5322 18964.670(14)	22.4(9)	
5293 18986.683(18)	14.9(7)		5323 18963.676(19)	16.2(9)	
5294 18986.20(2)	17.0(6)		5324 18962.350(6)	119.3(9) 18962.35	<b>T- 3f-2c (2-1) R1</b>
5295 18985.730(17)	17.7(7)		5325 18961.770(7)	80.3(9)	
5296 18985.001(10)	29.3(5)		5326 18961.076(6)	83.4(7) 18961.08	
5297 18984.40(9)	5.3(13)		5327 18960.30(3)	9.0(9)	
5298 18983.920(10)	146(7) 18983.92		5328 18959.72(4)	7.8(9)	
5299 18983.532(11)	122(7)	S- 3E-2B (3-8) Q2	5329 18958.56(3)	7.5(6)	
5300 18982.956(10)	30.7(5)		5330  <b>18957.629(10)</b>	28.1(6)	<b>T+ 3e-2c (10) R7</b>
5301 18982.179(13)	14.1(4)		5331 18956.90(3)	7.2(6)	
5302 18981.426(11)	18.4(4)		5332 18956.141(9)	64.1(10)	
5303 18980.67(2)	6.9(4)		5333 18955.725(11)	42.1(10)	
5304 18979.73(2)	11.5(8)		5334 18954.990(11)	26.2(6)	
5305 18978.657(13)	25.7(9) 18978.66		5335 18954.283(8)	54.7(6)	
5306 18977.936(13)	32.8(9)		5336 18953.705(17)	15.3(6)	
5307 18977.393(18)	21.0(9)		5337 18952.90(2)	10.4(6)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5338 18952.239(6)	97.4(7)	18952.24	S+ 3E-2B (0-3) P4	5367 18930.09(4)	10.7(7)		
5339 18951.71(4)	7.3(7)			5368 18929.50(3)	21.2(7)		
5340 18950.973(5)	123.0(7)	18950.97	S- 3E-2B (1-5) Q8	5369 18928.43(3)	16.5(6)		
5341 18950.30(2)	31(2)			5370 18927.46(3)	46.6(6)		
5342 18949.98(4)	14(2)		S+ 3E-2B (3-8) P2	5371 18926.09(4)	12.0(8)		
5343 18948.84(3)	10.6(6)			5372 18925.60(3)	23.0(8)		
5344 18947.58(2)	93.5(5)	18947.56	S+ GK-2B (7-8) R3	5373 18924.44(4)	10.6(6)		
5345 18946.57(4)	7.8(5)			5374 18923.45(3)	44.7(6)		
5346 18945.62(5)	11.6(9)			5375 18922.36(4)	10.0(6)		
5347 18945.20(5)	11.2(9)			5376 18921.55(7)	4.2(6)		
5348 18944.62(3)	50.5(6)	18944.60		5377 18920.28(3)	26.6(10)		
5349 18943.81(4)	10.6(7)			5378 18919.86(3)	74.9(10)		
5350 18943.33(3)	74.0(7)			5379 18917.99(2)	153.3(15)	18917.99	<b>T+ 3c-2a (4-2) P6</b>
5351 18942.49(5)	5.3(5)			5380 18917.62(4)	25.6(15)		
5352 18941.81(3)	40.1(6)	18941.82	<b>T- 3f-2c (1-0) P4</b>	5381 18916.92(2)	98.2(7)	18916.93	S- 3E-2B (0-3) Q2
5353 18941.21(5)	9.9(6)			5382 18916.28(5)	8.4(7)		
5354 18940.65(7)	9.2(13)			5383 18915.71(4)	15.9(7)	18915.71	<b>T- 3f-2c (1-0) P5</b>
5355 18940.29(3)	34.7(15)	18940.28	S+ 3E-2B (0-3) R0	5384 18913.89(4)	8.6(6)		
5356 18939.55(2)	91.5(6)	18939.58		5385 18913.17(2)	125.9(7)	18913.16	S+ 3E-2B (0-3) P3
5357 18938.70(2)	61.2(5)	18938.71		5386 18912.25(4)	9.7(6)		
5358 18938.03(4)	14.1(6)			5387 18911.20(3)	34.6(7)	18911.16	<b>T+ 3e-2c (1-0) R5</b>
5359 18937.46(2)	261.4(9)	18937.48	<b>T+ 3e-2c (1-0) R6</b> S- 3E-2B (0-3) Q3	5388 18910.47(3)	90.4(7)	18910.44	<b>T+ 3f-2c (2-1) Q6</b>
				5389 18909.50(3)	94.1(7)	18909.49	
5360 18936.77(4)	9.9(5)			5390 18908.76(3)	35.2(7)	18908.75	<b>T+ 3f-2c (2-1) Q5</b>
5361 18935.50(3)	48.4(6)	18935.53		5391 <b>18907.95(3)</b>	67.1(14)		
5362 18934.25(5)	7.2(6)			5392 18907.56(5)	17.6(14)		
5363 18932.99(3)	38.4(6)			5393 18906.83(4)	25.7(8)	18906.85	
5364 18932.15(3)	31.2(11)			5394 18906.22(3)	106.8(8)	18906.24	<b>T+ 3f-2c (2-1) Q4</b>
5365 18931.75(4)	17.2(11)			5395 18905.62(3)	83.9(8)	18905.66	S+ GK-2B (7-8) R2
5366 18930.70(3)	41.8(7)			5396 18905.05(4)	37.0(11)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5397 18904.55(3)	282(2)	18904.61	T+ 3f-2c (2-1) Q3 S+ GK-2B (6-7) P5	5423 18889.17(3)	101.8(6)	18889.18	S+ GK-2B (2-4) R2
5398 <b>18904.11(4)</b>	159(7)		<b>T- 3f-2c (2-1) Q4</b>	5424 18888.50(4)	24.2(6)		
5399 18903.78(4)	240(4)		S- 3E-2B (0-3) Q1 <b>T- 3f-2c (2-1) Q3</b>	5425 18888.03(4)	13.2(6)		
			T- 3f-2c (2-1) Q4	5426 18887.45(3)	36.5(6)	18887.44	S+ 3E-2B (0-3) P2
				5427 18886.98(3)	40.8(6)	18887.00	
5400 18903.44(4)	158(6)			5428 18886.43(6)	7.7(6)		
5401 18903.00(3)	99(2)			5429 18885.88(3)	88(2)	18885.85	
5402 18902.37(5)	10.1(8)			5430 18885.54(15)	7.5(15)		
5403 18901.66(3)	67.9(7)		<b>T- 3f-2c (2-1) Q6</b>	5431 18885.18(12)	7.6(16)		
5404 18901.03(4)	22.1(7)			5432 18884.66(14)	22(29)		
5405 18900.18(3)	192.0(8)	18900.20		5433 18884.53(6)	71(29)		
5406 18899.60(7)	12.6(15)			5434 18883.67(3)	288.7(6)	18883.60	S- 3E-2B (1-5) Q7
5407 18899.20(3)	152.1(15)	18899.19		5435 18882.94(4)	15.8(5)		
5408 18898.50(6)	20(2)			5436 18882.30(3)	74.9(6)	18882.27	
5409 18898.16(3)	137(2)			5437 18881.76(4)	20.9(8)		
5410 18897.50(5)	15.2(8)			5438 18881.36(4)	27.0(8)		
5411 18896.92(4)	19.8(8)			5439 18880.69(3)	177(8)	18880.66	S+ GK-2B (2-4) R1
5412 18896.13(5)	9.8(7)			5440 18880.44(4)	130(5)		
5413 18895.30(5)	10.1(9)		S+ 3F-2B (3-9) R2	5441 18880.14(5)	42(4)		
5414 18894.90(3)	84.9(8)	18894.94	S+ GK-2B (7-8) R0 S+ GK-2B (7-8) R1	5442 18879.63(5)	8.1(7)		
			S+ GK-2B (2-4) R3	5443 18878.89(4)	20.0(5)		<b>T+ 3e-2c (1-0) R4</b> <b>T+ 3f-2c (1-0) P7</b>
5415 18894.34(4)	10.3(6)			5444 18878.16(3)	132(3)	18878.15	
5416 18893.70(3)	163.7(6)	18893.73		5445 18877.92(6)	18(3)		
5417 18893.08(5)	10.1(6)			5446 18877.10(3)	74.9(5)	18877.10	
5418 18892.55(3)	58.1(6)	18892.58		5447 18876.45(4)	14.7(5)		
5419 18891.93(4)	11.8(5)			5448 18875.70(4)	13.5(5)		
5420 18891.32(4)	19.4(5)			5449 18874.98(4)	11.8(5)		
5421 18890.46(3)	22.4(5)			5450 18874.28(3)	124.2(6)		
5422 18889.70(3)	42.4(6)	18889.68	<b>T- 3f-2c (1-0) P6</b>	5451 18873.79(3)	31.6(6)	18873.79	
				5452 18873.17(4)	21.3(5)	18873.18	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
5453 18872.58(5)	6.9(5)		5481 18854.74(3)	59.6(5)	
5454 18871.83(4)	16.9(7)		5482 18854.12(3)	30.7(5)	
5455 18871.40(3)	93.4(7)	18871.38	5483 18853.36(4)	13.3(5)	
			5484 18852.71(4)	15.8(5)	
5456 18870.51(5)	4.8(4)		5485 18851.78(5)	4.9(4)	
5457 18869.18(3)	39.6(5)	18869.15	5486 18851.11(3)	35.7(5)	18851.06
5458 18868.55(9)	2.9(5)		5487 18850.61(6)	8.5(9)	
5459 18867.91(3)	44.5(5)	18867.91	5488 18850.22(5)	18.3(9)	
5460 18867.20(3)	61.4(5)		5489 18849.85(7)	7.3(11)	
5461 18866.49(3)	65.5(5)	18866.47	5490 18849.30(3)	88.7(5)	
			5491 18848.81(4)	13.3(5)	
5462 18865.66(6)	5.2(5)		5492 18848.26(4)	23.2(6)	
5463 18865.09(5)	12.5(6)		5493 18847.82(5)	8.1(6)	
5464 18864.59(4)	21.8(6)		5494 18847.19(5)	6.7(5)	
5465 18863.60(3)	81.4(6)	18863.60	5495 18846.57(4)	11.0(5)	
5466 18863.07(4)	25.5(6)		5496 18845.97(4)	8.7(5)	
5467 18862.44(5)	8.1(5)		5497 18845.27(3)	444.6(5)	18845.29
5468 18861.71(3)	110.0(5)	18861.71	5498 18844.68(3)	68.8(5)	18844.70
5469 18861.10(4)	17.5(6)		5499 18844.19(5)	8.8(5)	
5470 18860.54(3)	60.2(6)	18860.55	5500 18843.39(6)	4.8(5)	
5471 18859.98(3)	80.5(8)	18860.03	5501 18842.85(3)	27.3(5)	
5472 18859.52(7)	11.1(8)		5502 18842.34(5)	8.5(5)	
5473 18859.04(4)	59.1(14)	18859.09	5503 18841.81(5)	8.5(5)	
5474 18858.69(4)	28.2(19)		5504 18841.26(3)	32.9(5)	
5475 18857.86(4)	20.5(6)		5505 18840.75(3)	39.4(5)	
5476 18857.33(5)	20.1(15)		5506 18840.23(4)	12.3(5)	
5477 18856.99(4)	27.0(17)		5507 18839.71(3)	75.8(5)	18839.69
5478 18856.32(3)	71.1(6)	18856.32	5508 18838.97(3)	118.7(7)	18838.97
5479 18855.74(4)	80(3)		5509 18838.58(3)	100.7(7)	18838.54
5480 18855.46(3)	205(3)	18855.45	5510 18837.96(4)	15.7(5)	

S+ GK-2B (1-3) R7

T+ 3c-2c (1-0) R3

T- 3c-2a (5-3) Q3

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5511 18837.43(3)	81.1(5)	18837.44	S+ GK-2B (2-4) P1	5540 18817.56(4)	48(2)		
			S+ EF-2B (32-6) P1	5541 18817.10(3)	373.9(14)	18817.09	<b>T- 3c-2a (5-3) Q4</b>
5512 18836.80(4)	9.5(5)			5542 18816.05(5)	13.9(9)		
5513 18836.22(5)	23(2)			5543 18815.19(4)	53.3(9)	18815.20	<b>T- 3f-2c (2-1) P3</b>
5514 18835.95(4)	32(2)			5544 18813.90(6)	12.2(11)		
5515 18835.25(5)	14.3(16)			5545 18813.35(4)	45.0(10)	18813.37	
5516 18834.95(7)	8.9(16)			5546 18812.33(5)	19.7(9)		
5517 18834.41(6)	5.3(5)			5547 18811.51(5)	17.5(9)		
5518 18833.70(4)	10.1(4)			5548 18810.52(4)	28.9(7)	18810.51	
5519 18833.01(3)	31.1(5)	18833.01		5549 18809.68(4)	21.3(7)		S 3A-2B (2-8) R1
5520 18832.31(4)	13.0(5)			5550 18808.97(4)	56.0(7)		
5521 18831.41(3)	83.0(5)	18831.40		5551 18808.29(4)	18.8(7)		
5522 18830.64(6)	4.7(5)			5552 18807.62(4)	52.5(7)	18807.57	
5523 18829.98(3)	66(2)			5553 18806.88(4)	25.7(8)		
5524 18829.67(3)	123.0(18)	18829.66	<b>T- 3f-2c (3-2) R2</b>	5554 18806.37(4)	31.0(8)	18806.41	
5525 18829.24(6)	8.4(9)			5555 18805.74(7)	6.4(7)		
5526 18828.48(5)	5.9(5)			5556 18804.71(6)	9.1(7)		
5527 18827.92(3)	41.6(5)			5557 18804.03(4)	45.4(7)		
5528 18827.36(3)	97.3(5)			5558 18803.20(3)	203.5(9)	18803.25	
5529 18826.65(5)	8.8(5)			5559 18802.73(5)	22.4(9)		<b>T+ 4b-2a (0-1) R2</b>
5530 18826.12(5)	13.5(7)			5560 18802.12(5)	37(3)	18802.15	
5531 18825.65(3)	150.7(6)	18825.64	S- 3E-2B (1-5) Q6	5561 18801.80(4)	66(3)	18801.78	
5532 18825.08(4)	10.1(5)			5562 18801.08(4)	48.4(7)	18801.03	S+ 3E-2B (1-5) R2
5533 18824.44(3)	26.1(5)			5563 18800.37(6)	12.1(9)		
5534 18822.61(5)	6.3(5)			5564 18799.91(4)	30.2(9)		S- 3F-2B (0-4) Q7
5535 18821.97(3)	45.8(7)	18822.02		5565 18799.28(4)	55.0(7)	18799.30	
5536 18821.56(3)	42.8(8)	18821.60		5566 18798.46(5)	17.1(9)		
5537 18820.14(3)	50.3(12)	18820.17		5567 18797.96(7)	11.5(9)		S+ GK-2B (7-8) P4
5538 18819.80(3)	48.1(12)	18819.79	S 3A-2B (3-10) R4	5568 18797.46(5)	21.1(9)		<b>T+ 3e-2c (1-0) R2</b>
5539 18818.57(5)	14.4(9)			5569 18796.87(3)	245.0(8)	18796.83	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5570 18796.14(5)	12.0(7)			5599 18777.62(6)	7.9(7)		
5571 18795.29(3)	264.1(8)	18795.27	S+ GK-2B (1-3) R6	5600 18776.83(3)	329.6(7)	18776.82	S- 3E-2B (1-5) Q5
5572 18794.66(3)	192.5(8)	18794.63	S+ GK-2B (2-4) P3	5601 18776.20(5)	11.0(7)		
			S+ EF-2B (32-6) P3	5602 18774.66(4)	26.8(15)		
5573 18793.80(5)	14.1(8)			5603 18774.32(4)	27.4(15)		
5574 18793.27(6)	14.4(8)			5604 18773.37(6)	11.4(12)		
5575 18792.74(4)	22.0(8)			5605 18773.00(5)	19.0(11)		
5576 18791.98(4)	27.8(8)			5606 18772.38(5)	7.4(7)		
5577 18791.46(4)	192(5)			5607 18771.60(4)	10.5(6)		
5578 18791.20(5)	56(5)			5608 18770.23(5)	6.9(7)		
5579 18790.57(6)	7.9(6)			5609 18769.20(3)	96.4(9)	18769.21	S+ GK-2B (2-4) P4 S+ EF-2B (32-6) P4
5580 18789.89(3)	122.6(6)	18789.90	<b>T- 3c-2a (5-3) Q5</b>				
5581 18788.84(3)	143.8(6)	18788.84	<b>T+ 3c-2a (4-2) P8</b>	5610 18768.76(4)	22.9(9)		
5582 18788.28(6)	7.5(6)			5611 18768.27(3)	177.8(8)	18768.28	S- 3E-2B (4-10) Q5
5583 18787.60(4)	32.5(7)	18787.64	<b>T+ 3f-2c (2-1) P4</b>	5612 18767.73(4)	22.5(7)		
5584 18787.05(5)	33.9(19)			5613 18766.99(4)	12.2(7)		
5585 18786.69(5)	33.0(15)		T- 3f-2c (2-1) P4	5614 18766.22(3)	36.6(7)	18766.27	
5586 18786.27(4)	27.2(12)			5615 18765.65(4)	11.8(7)		
5587 18785.52(4)	15.0(6)			5616 18764.71(4)	10.8(7)		
5588 18784.63(6)	11.8(11)			5617 18763.98(4)	10.3(7)		
5589 18784.23(4)	114.9(10)	18784.22		5618 18762.92(4)	11.1(7)		
5590 18783.67(6)	8.5(7)			5619 18762.23(4)	34.8(11)		
5591 18783.09(5)	10.0(6)		<b>T+ 4b-2a (0-1) R1</b>	5620 18761.83(3)	99.6(10)	18761.85	
5592 18782.40(5)	12.9(6)			5621 18761.22(4)	23.9(7)		
5593 18781.82(5)	11.6(6)			5622 18760.69(3)	187.2(7)	18760.70	<b>T+ 3f-2c (2-1) P5</b> S+ 3E-2B (1-5) P6
5594 18780.92(9)	4.9(9)						
5595 18780.51(9)	5.4(9)			5623 18759.65(3)	45.4(7)		
5596 18779.84(7)	5.3(6)			5624 18759.03(3)	108.9(9)	18759.01	S 3A-2B (3-10) R3
5597 18779.05(4)	25.1(6)	18779.01		5625 18758.59(3)	48.5(9)		
5598 18778.14(3)	39.5(7)	18778.17		5626 18757.96(4)	33.1(9)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
5627 <b>18757.48(3)</b>	239(2)	<b>T- 3c-2a (5-3) Q6</b>	5656 18739.74(4)	67.9(16)	S- 3E-2B (1-5) Q4
5628 18757.15(4)	65(2)		5657 18739.17(5)	38.3(15)	
5629 18756.68(4)	37.9(9)		5658 18738.57(8)	9.3(14)	
5630 18756.07(4)	23.5(8)		5659 18737.52(3)	159.1(16)	
5631 18755.58(5)	10.5(8)		5660 18737.00(3)	151.2(16)	
5632 18754.86(3)	474.1(8)	S+ GK-2B (1-3) R5	5661 18735.69(3)	143.5(13)	<b>T+ 3f-2c (2-1) P6</b>
5633 18754.09(4)	19.8(7)		5662 18734.52(4)	57.5(14)	
5634 18753.24(4)	14.9(8)		5663 18733.92(5)	28.1(15)	
5635 18752.76(3)	44.7(8)		5664 18733.32(4)	90.6(14)	
5636 18752.12(3)	33.7(7)		5665 18731.67(3)	104.6(13)	
5637 18751.42(4)	14.6(7)	T+ 3e-2c (1-0) R1	5666 18730.86(4)	16.0(6)	<b>T+ 3e-2c (1-0) Q6</b>
5638 18750.73(3)	82.9(7)		5667 18730.19(4)	81.7(17)	
5639 18750.26(4)	23.0(7)		5668 18729.85(4)	56.6(15)	
5640 18749.61(3)	77.3(5)		5669 18729.34(4)	19.8(7)	
5641 18748.59(6)	11.1(19)		5670 18728.47(3)	81.7(6)	T+ 3e-2c (1-0) Q5 S- 3E-2B (4-10) Q4
5642 18748.27(5)	21.6(18)	T+ 3e-2c (1-0) R1	5671 18727.56(3)	95.4(6)	
5643 18747.67(6)	7.3(6)		5672 18726.91(4)	18.0(6)	
5644 18746.99(3)	87.4(5)		5673 18726.19(4)	13.4(6)	
5645 18746.26(3)	139.7(6)		5674 18725.52(3)	84.7(8)	
5646 18745.62(4)	13.8(5)	S+ 3E-2B (1-5) R1	5675 18725.00(8)	20(5)	S+ GK-2B (1-3) R4
5647 18744.84(3)	91.7(15)		5676 18724.72(7)	28(4)	
5648 18744.45(3)	279.1(11)		5677 18724.26(11)	9.0(12)	
5649 18744.03(6)	11.6(13)		5678 18723.78(5)	137(14)	
5650 18743.41(4)	26.2(6)		5679 18723.60(4)	208(16)	
5651 18742.78(3)	243.7(15)	S+ 3E-2B (1-5) R1	5680 18722.75(4)	20.7(7)	<b>T- 3c-2a (5-3) Q7</b>
5652 18742.44(4)	43.6(18)		5681 18722.25(4)	25.3(7)	
5653 18741.64(3)	80.4(13)		5682 18721.33(3)	48.4(6)	
5654 18741.17(4)	39.2(13)		5683 18720.63(5)	10.7(6)	
5655 18740.29(4)	135.5(16)		5684 18719.95(3)	98.8(12)	
		S+ GK-2B (2-4) P5	5685 18719.53(4)	124.0(17)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
5686 18719.21(4)	33(2)		5716 18698.65(8)	6.8(9)	S- 3F-2B (0-4) Q6 T+ 4b-2a (0-1) P1
5687 18718.13(4)	34.8(6)	18718.08	5717 18698.13(6)	17.7(9)	
5688 18717.05(3)	197.2(6)	18717.06	5718 18697.57(6)	30(3)	
5689 18716.25(4)	34.4(6)	18716.25	5719 18697.25(5)	99(3)	T- 3e-2c (1-0) R4
5690 18715.52(3)	75.8(7)		5720 18696.68(5)	24.4(9)	
5691 18714.97(4)	35.9(13)		5721 18696.06(4)	64.2(8)	T- 3e-2c (1-0) R3
5692 18714.57(3)	187.3(11)		5722 18695.49(4)	75.3(11)	
5693 18714.17(4)	36.3(13)		5723 18695.01(4)	211(2)	
5694 18713.54(3)	101.6(6)	18713.61	5724 18694.65(6)	38(2)	S+ 3E-2B (1-5) R0 T- 3e-2c (1-0) R5
5695 18712.96(3)	106.8(10)	18712.95	5725 18694.10(4)	52.2(9)	
5696 18712.52(3)	150.3(12)	18712.48	5726 18693.56(4)	38.9(8)	
5697 18712.15(4)	53.0(15)		5727 18692.85(6)	11.8(9)	
5698 18711.48(5)	7.7(6)		5728 18692.34(7)	9.5(9)	
5699 18710.09(4)	26.3(7)	18710.08	5729 18691.76(9)	5.0(8)	
5700 18709.37(4)	45.9(9)	18709.32	5730 18691.04(4)	72.3(8)	
5701 18708.94(3)	104.8(9)	18708.91	5731 18690.51(4)	180.1(8)	18690.52
5702 18707.81(4)	24.6(7)	18707.86	5732 18689.74(4)	79.6(10)	18689.74
5703 18707.01(4)	28.6(7)	18707.02	5733 18689.27(6)	15.7(10)	
5704 18706.46(7)	7.7(8)		5734 18688.61(4)	45.0(8)	18688.66
5705 18705.89(3)	417.1(8)	18705.90	5735 18687.84(5)	28.0(10)	
5706 18705.21(6)	7.1(7)		5736 18687.43(4)	69.3(10)	18687.43
5707 18704.63(4)	25.2(7)	18704.67	5737 18686.81(4)	73(2)	
5708 18703.97(4)	60.9(9)	18703.93	5738 18686.50(4)	175(2)	18686.45
5709 18703.54(4)	36.4(9)		5739 18685.88(6)	7.6(7)	
5710 18702.25(5)	19.9(8)	18702.22	5740 18684.88(5)	20.1(7)	18684.85
5711 18701.73(6)	12.9(8)		5741 18684.37(4)	100.4(7)	18684.37
5712 18701.10(4)	390.1(8)	18701.11	5742 18683.77(4)	165.4(18)	18683.81
5713 18700.32(6)	66(13)		5743 18683.38(6)	63(5)	
5714 18700.13(6)	63(13)		5744 18683.12(4)	249(6)	18683.14
5715 18699.32(5)	17.9(8)				S- 3E-2B (1-5) Q2

Table II (Continued).

$K\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	$K\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5745 18682.44(4)	33.0(7)			5773 18666.02(5)	31.4(16)		
5746 18681.82(4)	214.0(7)	18681.80		5774 18664.98(6)	10.5(7)		
5747 18681.15(8)	6.4(8)			5775 18663.63(4)	70.1(7)	18663.60	
5748 18680.68(4)	38.3(8)	18680.71		5776 18662.25(5)	20.5(8)		
5749 18680.07(5)	13.5(7)			5777 18661.70(6)	15.3(9)		
5750 18679.53(6)	10.0(7)			5778 18661.12(4)	189.3(8)	18661.10	
5751 18678.66(5)	21.5(6)			5779 18660.43(4)	44.0(8)	18660.33	
5752 18677.98(4)	207.4(8)	18677.99	<b>T- 3e-2c (1-0) R1</b>	5780 18659.79(5)	18.5(8)		S+ 3E-2B (1-5) P3
			S+ GK-2B (1-3) R1	5781 18659.17(4)	143.2(8)	18659.14	
5753 18677.47(4)	144.6(8)	18677.56	<b>T- 3c-2a (5-3) Q8</b>	5782 18658.35(4)	33.1(8)	18658.36	
5754 18676.98(6)	11.6(8)			5783 18657.69(4)	102.0(8)	18657.69	
5755 18676.34(4)	56.3(7)	18676.36		5784 18657.13(5)	26.6(8)	18657.15	
5756 18675.68(4)	50.1(11)	18675.63		5785 18656.35(4)	61.7(7)	18656.36	
5757 18675.30(5)	23.9(12)			5786 18655.81(5)	10.3(6)		
5758 18674.49(6)	7.2(6)			5787 18655.33(5)	10.0(6)		
5759 18673.81(7)	6.8(7)			5788 18654.79(3)	153.8(11)	18654.82	
5760 18673.24(4)	228.8(8)	18673.24		5789 18654.40(3)	101.6(10)	18654.42	S- 3E-2B (4-10) Q1
5761 18672.75(4)	49.0(8)			5790 18653.96(4)	54.0(12)		
5762 18672.25(4)	63.2(8)		S+ GK-2B (1-3) R0	5791 18653.62(6)	10.7(16)		
			<b>T+ 3e-2c (1-0) Q1</b>	5792 18652.90(4)	13.6(6)		
5763 18671.73(5)	14.8(7)			5793 18652.38(3)	47.3(6)		
5764 18671.08(4)	56.7(14)			5794 18651.87(3)	78.0(7)	18651.89	
5765 18670.72(4)	95.0(14)	18670.68	S- 3E-2B (4-10) Q2	5795 18651.41(4)	32.9(7)		
5766 18670.14(4)	112.8(7)	18670.12		5796 18650.81(4)	10.3(5)		
5767 18669.60(5)	39.8(8)			5797 18649.97(6)	5.3(5)		
5768 18669.16(5)	20.6(9)			5798 18649.30(4)	25.5(6)		
5769 18668.20(4)	157.5(8)	18668.20	S- 3E-2B (1-5) Q1	5799 18648.80(4)	47.0(9)	18648.81	
5770 18667.54(4)	44.1(8)			5800 18648.38(6)	12.0(9)		
5771 18666.81(4)	170(3)			5801 18647.98(4)	21.5(9)		
5772 18666.46(4)	170(2)	18666.43		5802 18647.47(4)	27.8(6)		S 3A-2B (3-10) R0

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5803 18646.74(3)	385.0(6)	18646.76	S- 3E-2B (2-7) Q7	5833 18629.31(3)	49.0(10)	18629.29	S- 4E-2B (0-10) Q5 S 3A-2B (3-10) P5
5804 18646.14(4)	16.6(6)			5834 18628.62(6)	4.6(5)		
5805 18645.62(3)	83.4(6)	18645.61		5835 18627.94(3)	72.6(7)	18627.94	
5806 18645.02(4)	18.6(6)		S+ GK-2B (1-3) P1				
5807 18644.40(4)	65(2)	18644.36	S+ 3E-2B (1-5) P2	5836 18627.37(7)	7.1(7)		
5808 18644.12(7)	14(2)			5837 18626.63(6)	12.7(15)		
5809 18643.52(3)	255.4(7)	18643.53		5838 18626.22(3)	103.8(13)	18626.29	
5810 18643.08(3)	51.5(8)		S+ 3E-2B (4-10) P3	5839 18625.60(4)	36.9(8)		
5811 18642.54(5)	8.2(6)			5840 18625.00(3)	56.8(7)		
5812 18641.76(3)	69.0(11)			5841 18624.20(5)	14.4(7)		
5813 18641.38(4)	39.3(10)			5842 18623.61(5)	12.8(7)		
5814 18640.97(3)	66.8(10)			5843 18622.79(6)	5.7(7)		
5815 18640.14(4)	11.4(6)			5844 18621.97(3)	114.5(7)	18621.98	
5816 18639.61(3)	68.2(8)	18639.65		5845 18621.20(4)	18.6(7)		
5817 18639.22(4)	23.5(9)			5846 18620.08(5)	10.3(7)		
5818 18638.36(5)	6.4(5)			5847 18619.60(3)	39.2(7)		
5819 18636.86(6)	4.7(5)			5848 18618.90(3)	31.4(6)	18618.87	S+ GK-2B (1-3) P2
5820 18636.20(3)	83.5(9)	18636.18		5849 18618.41(3)	85.7(8)	18618.43	
5821 18635.81(5)	11.7(9)			5850 18618.00(5)	12.9(9)		
5822 18635.22(7)	4.5(6)			5851 18617.39(2)	113.8(5)	18617.41	
5823 18634.61(4)	18.4(5)			5852 18616.81(3)	38.4(5)		
5824 18633.38(11)	2.5(7)			5853 18616.16(3)	66(3)		
5825 18632.89(3)	89.3(13)	18632.87		5854 18615.88(4)	22(3)		
5826 18632.54(3)	104.4(14)	18632.51		5855 18615.23(3)	13.6(5)		
5827 18631.87(5)	29(3)			5856 18614.58(3)	23.9(5)		
5828 18631.57(4)	58.5(19)	18631.53		5857 18614.02(3)	38.4(5)		
5829 18631.21(4)	66.6(18)	18631.27	<b>T- 3e-2c (1-0) Q1</b>	5858 18612.67(3)	21.6(4)		
5830 18630.67(5)	14.8(7)			5859 18611.80(3)	102.9(14)	18611.79	
5831 18630.18(3)	134.7(7)	18630.15		5860 18611.45(3)	80.4(12)		
5832 18629.69(4)	55.3(9)	18629.64		5861 18610.98(3)	18.5(7)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5862 18610.23(3)	35.8(4)	18610.24		5891 18589.39(3)	65.6(14)	18589.40	S+ GK-2B (1-3) P3
5863 18608.83(4)	6.0(4)			5892 18588.89(3)	91.9(17)		
5864 18608.05(2)	66.3(5)	18608.06		5893 18588.43(3)	169.8(16)	18588.49	
5865 18607.45(4)	10.9(5)			5894 18587.82(2)	209.5(10)	18587.83	S- 3E-2B (2-7) Q6
5866 18606.68(3)	60.9(5)	18606.72		5895 18586.57(3)	18.2(5)		T+ 4b-2a (1-2) R1
5867 18606.01(6)	3.5(4)			5896 18585.98(4)	7.8(5)		
5868 18605.16(3)	89.1(9)	18605.15		5897 18585.08(3)	54.6(19)	18585.07	T+ 3e-2c (1-0) P4
5869 18604.51(6)	20(3)		S 3A-2B (3-10) P4	5898 18584.78(16)	3.4(17)		
5870 18604.15(4)	45(3)		T+ 4b-2a (1-2) R2	5899 18584.19(2)	237.5(11)	18584.17	
5871 18603.33(3)	139.7(13)			5900 18583.83(4)	16.1(14)		
5872 18602.85(5)	20.8(13)			5901 18583.25(2)	109.8(5)	18583.24	
5873 18602.15(4)	67(4)			5902 18582.68(3)	26.8(5)	18582.71	
5874 18601.81(3)	131(4)			5903 18582.13(3)	21.6(5)		
5875 18601.26(3)	57.3(12)			5904 18581.25(3)	41.6(4)	18581.22	
5876 18600.46(2)	139.8(11)	18600.44		5905 18580.53(7)	2.7(4)		
5877 18599.40(2)	153.8(11)	18599.42	S 3A-2B (3-10) P3	5906 18579.81(3)	16.1(5)		
5878 18598.78(10)	6.3(11)			5907 18579.24(3)	12.6(5)		
5879 18598.24(3)	91.6(11)	18598.23	T+ 3e-2c (1-0) P3	5908 18578.16(2)	145.2(5)	18578.17	
			T- 3e-2c (1-0) Q3	5909 18577.23(3)	17.7(6)		T+ 4b-2a (0-1) P4
5880 18597.70(3)	79.9(11)	18597.68		5910 18576.71(4)	28.1(13)		
5881 18596.71(3)	30.0(8)	18596.67		5911 18576.37(4)	22.8(14)		
5882 18595.95(3)	47.0(15)	18595.98		5912 18575.68(2)	89.1(5)	18575.70	
5883 18595.46(18)	5.6(17)			5913 18574.97(5)	26(5)		
5884 18595.03(6)	21.5(18)	18595.00		5914 18574.71(5)	43(4)		
5885 18594.45(7)	7.7(10)			5915 18574.24(4)	46(2)		
5886 18593.45(3)	44.1(8)			5916 18573.86(4)	99(7)	18573.87	
5887 18592.70(4)	13.0(8)			5917 18573.63(4)	74(9)	18573.62	
5888 18591.51(2)	110.0(11)	18591.50	S- 3E-2B (5-12) Q8	5918 18573.02(6)	4.5(5)		
5889 18590.77(5)	56(14)			5919 18572.17(4)	74.6(8)	18572.16	
5890 18590.56(4)	76(14)			5920 18571.47(5)	33(2)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5921 18571.08(4)	124.8(18)	18571.07	<b>T+ 3e-2c (1-0) P5</b> <b>T- 3e-2c (1-0) P2</b>	5951 18549.11(4)	60.9(6)	18549.11	<b>T+ 3e-2c (1-0) P6</b>
5922 18570.45(4)	176.6(15)	18570.49		5952 18548.49(4)	150.6(8)	18548.51	
5923 18570.02(4)	196.0(15)	18570.04		5953 18548.05(4)	49.6(8)	18548.15	
5924 18569.17(4)	149.5(9)	18569.15		5954 18547.43(4)	29.5(6)		S+ 3E-2B (2-7) R2
5925 18568.56(5)	45(2)	18568.56	T+ 4b-2a (1-2) R0 <b>T- 3c-2a (6-4) Q1</b> S+ GK-2B (1-3) P4	5955 18546.83(4)	103.9(6)	18546.80	
5926 18568.19(5)	35(2)			5956 18545.94(4)	133.5(7)	18545.92	
5927 18566.87(7)	6.3(7)			5957 18545.09(4)	51.7(6)	18545.07	
5928 18566.10(4)	28.0(7)			5958 18544.34(6)	9.0(6)		S+ GK-2B (1-3) P5
5929 18565.35(4)	31.3(8)	18565.35	<b>T- 3c-2a (6-4) Q1</b> S+ GK-2B (1-3) P4	5959 18543.81(5)	16.4(7)		
5930 18564.58(4)	35.0(9)	18564.54		5960 18543.25(4)	76.4(6)	18543.24	
5931 18564.13(4)	368.1(8)	18564.18		5961 18542.40(4)	76.0(6)	18542.41	
5932 18563.25(4)	97.2(14)		S- 3E-2C (4-0) R3 S+ GK-2B (1-3) P9	5962 18541.81(4)	137.3(6)		S- 3E-2B (2-7) Q5
5933 18562.90(4)	158.4(13)	18562.92		5963 18541.15(4)	65.4(6)	18541.16	
5934 18561.77(4)	104.1(8)	18561.76		5964 18540.55(5)	16.2(8)		
5935 18561.33(4)	138.2(8)	18561.35		5965 18540.09(4)	37.2(8)	18540.09	
5936 18560.36(7)	6.9(9)		<b>T- 3c-2a (6-4) Q2</b>	5966 18539.45(5)	15.4(6)		<b>T- 3c-2a (6-4) Q3</b>
5937 18559.92(5)	21.8(8)			5967 18538.85(4)	53.7(6)		
5938 18559.41(4)	86.8(7)	18559.38		5968 18538.21(4)	152.4(6)	18538.16	
5939 18558.74(4)	79.6(6)	18558.76		5969 18537.54(4)	261.9(15)	18537.58	
5940 18557.45(4)	22.7(6)		S- 3E-2C (4-0) R3 S+ GK-2B (1-3) P9	5970 18537.15(4)	72.5(15)		S- 3E-2B (2-7) Q5
5941 18556.54(4)	82.4(6)	18556.52		5971 18536.63(4)	120.1(19)		
5942 18555.60(10)	3.1(6)			5972 18536.29(4)	127(2)		
5943 18555.00(4)	174.9(12)	18554.98		5973 18535.56(4)	26.9(6)		<b>T- 3c-2a (6-4) Q3</b>
5944 18554.62(5)	20.7(13)		<b>T- 3c-2a (6-4) Q2</b>	5974 18534.91(4)	107.0(6)		
5945 18553.95(4)	65.5(6)	18553.90		5975 18534.05(4)	135.3(6)	18534.07	
5946 18552.98(5)	21.1(8)	18552.91		5976 18533.35(5)	46.7(7)	18533.38	
5947 18552.49(4)	263.4(7)	18552.43	<b>T- 3c-2a (6-4) Q2</b>	5977 18532.48(5)	64.7(7)	18532.52	S- 3E-2B (2-7) Q5
5948 18551.78(4)	59.5(7)	18551.82		5978 18531.92(6)	34.6(8)		
5949 18551.27(6)	9.9(7)			5979 18531.42(9)	7.3(9)		
5950 18550.59(6)	5.9(6)			5980 18530.77(8)	7.4(7)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
5981 18530.14(5)	45.7(7) 18530.17	S+ GK-2B (1-3) P7	6010 18510.36(5)	63.5(9) 18510.45	S+ EF-2B (29-5) R1 <b>T+ 4b-2a (1-2) P1</b> S+ EF-2B (29-5) R0 S+ 3E-2C (4-0) Q2 S+ GK-2B (9-10) P2
5982 18529.54(7)	32(2)		6011 18509.60(6)	19.2(9)	
5983 18529.18(6)	77(2) 18529.28		6012 18508.99(7)	12.4(9)	
5984 18528.63(6)	33.6(12)		6013 18508.38(5)	114(4)	
5985 18528.22(6)	34.3(14)		6014 18508.11(6)	61(4)	
5986 18527.50(5)	107.8(8) 18527.54	S- 3E-2B (5-12) Q7 S- 3E-2B (5-12) Q7 <b>T- 3e-2c (1-0) P3</b> T+ 3e-2c (1-0) P7 <b>T+ 3e-2c (1-0) P7</b> S+ 3E-2C (4-0) Q1 S+ 3F-2B (0-4) R2	6015 18507.46(5)	93.0(9) 18507.43	S+ EF-2B (29-5) R1 <b>T+ 4b-2a (1-2) P1</b> S+ EF-2B (29-5) R0 S+ 3E-2C (4-0) Q2 S+ GK-2B (9-10) P2
5987 18526.93(6)	51(4)		6016 18506.78(5)	32.1(9)	
5988 18526.64(7)	27(4)		6017 18506.20(5)	115.1(10) 18506.21	
5989 18525.82(5)	34.6(7) 18525.88		6018 18505.72(6)	17.0(10)	
5990 18525.28(5)	69.5(7) 18525.29		6019 18504.72(5)	78.1(11) 18504.78	
5991 18524.52(6)	50(6) 18524.43	S+ 3E-2C (4-0) Q1 S+ 3F-2B (0-4) R2	6020 18504.36(5)	110.6(11) 18504.35	S+ EF-2B (29-5) R1 <b>T+ 4b-2a (1-2) P1</b> S+ EF-2B (29-5) R0 S+ 3E-2C (4-0) Q2 S+ GK-2B (9-10) P2
5992 <b>18524.28(5)</b>	138(6) 18524.24		6021 18502.86(6)	17.8(6)	
5993 18523.58(5)	78.8(9) 18523.60		6022 18502.36(7)	8.7(6)	
5994 18522.84(5)	69.6(16) 18522.83		6023 18501.57(6)	57(3)	
5995 18522.43(6)	59(2) 18522.48		6024 18501.28(5)	122(2) 18501.34	
5996 18522.09(7)	37(2) 18522.16	S+ 3E-2C (4-0) Q1 S+ 3F-2B (0-4) R2	6025 18500.78(7)	10.9(7)	S+ EF-2B (29-5) R2
5997 18521.59(6)	35.2(11) 18521.52		6026 18500.23(6)	28.2(7)	
5998 18520.81(5)	124.5(9) 18520.78		6027 18499.71(6)	46(2)	
5999 18519.63(7)	12.1(8)		6028 18499.38(5)	97.6(19) 18499.36	
6000 18518.03(5)	447.7(10) 18517.93		6029 18498.96(7)	17.4(11)	
6001 18517.47(5)	88.2(18)	<b>T- 3c-2a (6-4) Q4</b> S+ 4E-2C (0-0) R1	6030 18498.32(6)	12.4(6)	S- 3E-2B (2-7) Q4
6002 18517.12(5)	104(2)		6031 18497.74(6)	41.2(16)	
6003 18516.41(5)	62.0(9) 18516.38		6032 18497.41(7)	15.6(17)	
6004 18514.95(5)	214.4(9) 18514.93		6033 18496.75(5)	53.2(6) 18496.70	
6005 18513.73(7)	8.2(9)		6034 18496.27(5)	124.7(6) 18496.25	
6006 18513.06(5)	128.2(9) 18513.04	S+ 4E-2C (0-0) R1	6035 18495.73(5)	30.2(6)	S+ 3E-2B (2-7) R1
6007 18512.38(5)	41.7(9) 18512.35		6036 18494.81(5)	53.2(5) 18494.72	
6008 18511.26(9)	10.8(18)		6037 18493.62(5)	39.7(6) 18493.63	
6009 18510.90(6)	50.4(17) 18510.90				

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
6038 18492.32(4)	71.5(7)	18492.25		6068 18472.59(4)	185.9(7)	18472.60	S+ EF-2B (29-5) R4
6039 18491.18(4)	87.4(7)	18491.25		6069 18471.80(4)	79.6(6)	18471.84	<b>T- 3e-2c (2-1) R3</b>
6040 18490.60(6)	10.6(7)			6070 18470.73(4)	79.1(6)		
6041 18489.61(4)	70.2(7)	18489.65		6071 18469.49(4)	38.9(6)		
6042 18488.90(5)	22.6(7)			6072 18468.85(4)	27.9(6)		S- 3F-2B (0-4) Q3
6043 18488.33(4)	94.3(7)		<b>T- 3c-2a (6-4) Q5</b>	6073 18467.60(4)	57.8(7)	18467.59	
6044 18487.64(4)	103.1(7)	18487.63		6074 18467.07(6)	15.2(7)		
6045 18486.92(5)	30.0(9)			6075 18466.56(4)	166.1(7)	18466.60	
6046 18486.42(4)	101.0(13)		S+ EF-2B (29-5) R3	6076 18465.99(7)	9.1(7)		
6047 18485.97(5)	129(3)			6077 18465.47(5)	19.8(7)		
6048 18485.66(4)	147(4)			6078 18464.63(6)	18(3)		
6049 18485.01(6)	12.4(7)			6079 <b>18464.32(4)</b>	238(4)	18464.23	<b>T- 3e-2c (21) R2</b>
6050 18484.16(4)	78.0(6)	18484.13	S+ GK-2B (9-10) P3	6080 18464.07(5)	51(5)		
6051 18483.38(5)	31.5(7)			6081 18463.53(4)	258.6(7)	18463.52	S- 3E-2B (2-7) Q3
6052 18482.81(4)	277.3(16)	18482.78		6082 18462.74(4)	201.0(6)	18462.75	S+ 3E-2B (2-7) P5
6053 18482.41(5)	44.0(13)			6083 18462.14(10)	8(3)		
6054 18482.02(6)	29.3(15)			6084 18461.87(5)	45(3)		
6055 18481.51(4)	63.7(8)			6085 18461.47(4)	86.3(10)	18461.50	
6056 18480.77(4)	236.7(8)	18480.72	S+ EF-2B (29-5) P1	6086 18460.90(4)	97.1(5)	18460.92	
6057 18479.30(7)	8.6(10)			6087 18460.30(6)	15.2(16)		
6058 18478.86(5)	29.9(10)			6088 18459.99(5)	61.5(15)		
6059 18478.47(6)	15.6(12)			6089 18459.53(4)	41.2(7)		S+ GK-2B (9-10) P4
6060 18477.35(4)	77.9(6)	18477.40	<b>T- 3e-2c (1-0) P4</b>	6090 18458.61(6)	5.9(5)		
6061 18476.74(6)	7.5(6)			6091 18457.68(4)	40.0(5)		
6062 18476.02(5)	16.8(8)			6092 18457.16(7)	7.0(6)		
6063 18475.56(5)	36.6(9)			6093 18456.67(4)	228.0(13)	18456.66	<b>T- 3c-2a (6-4) Q6</b>
6064 18475.10(4)	257.4(10)	18475.09		6094 18456.36(4)	281.0(15)	18456.37	S+ GK-2B (3-5) R5
6065 18474.48(4)	186.1(6)	18474.50		6095 18455.73(4)	63.8(8)		S+ GK-2B (5-7) R7
6066 18473.73(4)	39.6(6)			6096 18455.35(6)	14.8(8)		S+ EF-2B (29-5) P2
6067 18473.13(4)	65.1(6)			6097 18454.85(7)	6.2(6)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6098 18454.19(5)	14.7(6)	S+ 3F-2B (0-4) P5	6128 18436.340(16)	91.7(15)	S+ 3E-2B (2-7) P4
6099 18453.72(4)	58.2(6)		6129 18435.66(2)	24.2(6)	
6100 18453.14(6)	6.7(5)		6130 18435.124(14)	173.4(7)	
6101 18452.63(4)	52.1(5)		6131 18434.395(15)	68.6(6)	
6102 18451.85(3)	45.9(15)		6132 18433.580(13)	242.9(6)	
6103 <b>18451.57(3)</b>	48.0(15)	T- 3e-2c (2-1) R1	6133 18432.933(16)	48.5(6)	S+ EF-2B (29-5) R5
6104 18450.150(13)	172.5(5)	<b>T- 3e-2c (2-1) R1</b>	6134 18432.251(15)	76.8(6)	S+ GK-2B (9-10) P5
6105 18449.508(17)	35.7(5)	S- 4E-2C (0-0) R1	6135 18431.276(17)	31.6(6)	<b>T+ 4b-2a (1-2) P3</b>
6106 18449.00(3)	14.0(7)		6136 18430.52(3)	10.9(7)	
6107 18448.597(17)	56.8(6)		6137 18430.01(2)	68(2)	
6108 18448.18(3)	10.6(6)		6138 18429.69(2)	82.6(19)	
6109 18447.54(3)	9.8(5)		6139 18429.266(18)	52.3(10)	
6110 18447.080(14)	91.5(5)		6140 18428.46(2)	19.4(6)	
6111 18446.222(15)	48.1(4)		6141 18427.79(2)	14.3(6)	
6112 18445.53(3)	9.0(4)		6142 18426.721(14)	123.3(8)	
6113 18444.96(2)	17.0(5)		6143 18426.08(2)	44.4(18)	
6114 18444.51(2)	22.4(5)		6144 18425.77(4)	16.9(18)	
6115 18443.989(19)	37.9(7)	S- 3E-2C (4-0) P2	6145 18425.124(15)	108.0(8)	T+ 3e-2c (2-1) Q2
6116 18443.502(17)	69.3(8)		6146 18424.334(15)	105.8(9)	
6117 18443.030(17)	102.9(11)		6147 18423.82(2)	27.6(9)	
6118 18442.631(18)	108.6(12)		6148 18423.243(14)	140.7(8)	
6119 18442.266(14)	194.5(15)		6149 18422.45(2)	47(3)	
6120 18441.529(18)	30.9(6)		6150 18422.08(3)	85(4)	
6121 18440.99(2)	17.6(6)		6151 18421.80(2)	104(6)	
6122 18439.90(4)	6.0(6)		6152 18420.047(16)	67.4(8)	
6123 18439.326(14)	159.7(7)		6153 18419.510(16)	112.4(9)	
6124 18438.869(13)	240.6(8)	S- 3E-2B (2-7) Q2	6154 18419.03(3)	13.8(9)	T- 3c-2a (6-4) Q7
6125 18438.23(2)	28.9(12)		6155 18418.263(14)	225.9(14)	S- 3E-2B (5-12) Q5
6126 18437.87(2)	34.1(12)		6156 18417.872(17)	75.3(14)	S+ GK-2B (3-5) R4
6127 18436.67(2)	38.3(15)		6157 18417.150(16)	58.6(7)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6158 18416.31(3)	12.8(9)		6188 18397.60(3)	25(2)	
6159 18415.80(4)	21.7(15)		6189 18397.019(17)	109.4(5)	18397.03
6160 18415.42(5)	12.5(17)		6190 18396.277(18)	111.5(12)	18396.27
6161 18414.72(3)	32.3(15)		6191 18395.98(2)	49.3(12)	
6162 18414.345(15)	149.0(16)	18414.35	6192 18395.31(3)	10.6(5)	
6163 18412.578(19)	88.0(8)		6193 18394.85(3)	21.0(6)	S+ 3E-2C (4-0) Q5
6164 18411.952(17)	224.7(9)		6194 18394.42(2)	37.1(6)	
6165 18410.800(19)	95.0(9)	18410.80	6195 18393.836(19)	71.7(11)	
6166 18410.20(3)	40.4(15)		6196 18393.53(2)	47.8(11)	S+ GK-2B (4-6) R2
6167 18409.79(5)	18.4(14)		6197 18392.72(3)	42(7)	<b>T+ 4b-2a (2-3) R1</b>
6168 18409.25(4)	17.7(10)		6198 18392.55(3)	56(7)	
6169 18408.69(3)	68(5)		6199 18391.937(17)	183.5(9)	18391.95
6170 18408.38(3)	93(4)		6200 18391.597(16)	315.1(10)	18391.59
6171 18407.92(5)	12.1(14)		6201 18390.974(17)	116.4(5)	18391.00
6172 18407.272(18)	106.4(8)	18407.24	6202 18390.50(4)	8.8(5)	
6173 18405.744(17)	184.4(8)		6203 18389.99(3)	28.7(15)	
6174 18405.044(19)	81.6(8)	18405.08	6204 18389.72(4)	11.5(17)	
6175 18404.37(3)	28.7(12)		6205 18388.99(2)	28.5(4)	
6176 18403.949(19)	115.7(13)	18403.94	6206 18388.37(3)	6.1(4)	
6177 18402.962(19)	65.7(8)	18402.96	6207 18387.44(2)	24.9(5)	
6178 18402.00(2)	33.4(15)		6208 18386.97(4)	8.5(6)	
6179 18401.68(2)	67.7(11)		6209 18386.56(2)	38.7(6)	<b>T+ 4b-2a (1-2) P4</b> T+ 3d-2c (1-0) R2
6180 18401.36(2)	49.3(15)		6210 18385.85(2)	26.7(4)	
6181 18400.89(2)	34.6(5)		6211 18385.31(2)	25.7(6)	
6182 18400.01(3)	26(3)		6212 18384.916(18)	64.9(6)	
6183 18399.79(2)	82(3)		6213 18384.242(17)	204.7(7)	18384.25
6184 18399.15(5)	5.2(5)		6214 18383.730(18)	94.6(7)	<b>T+ 4c-2a (5-7) R0</b>
6185 18398.67(2)	77.8(17)		6215 18383.24(4)	8.7(7)	
6186 18398.39(2)	48.6(17)		6216 18382.725(17)	109.4(7)	18382.73
6187 18397.854(19)	129(2)	18397.83			S+ EF-2B (29-5) P4



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6274 18344.99(3)	202(2) 18344.98	S+ GK-2B (0-3) R1	6301 18327.88(7)	65.5(11) 18327.84	S- 4E-2C (1-1) R5 S+ GK-2B (4-6) P1
6275 18344.30(3)	167.7(8) 18344.29	<b>T- 3e-2c (2-1) P2</b>	6302 18326.88(6)	119.8(12) 18326.78	
6276 18343.56(5)	12.0(8)		6303 18325.91(7)	33.5(11)	
6277 18342.38(3)	104.3(8) 18342.35		6304 18325.33(7)	81.9(12)	
6278 18341.73(4)	94(2)	S+ GK-2B (0-3) R0	6305 18324.82(7)	112.3(12) 18324.91	S+ 4E-2C (0-0) P4 S+ GK-2B (5-7) R4
6279 18341.39(4)	73(2)		6306 18324.32(10)	10.5(12)	
6280 18340.68(4)	108(3) 18340.69		6307 18323.08(9)	9.4(10)	
			6308 18321.84(7)	68.1(10) 18321.73	S- 3E-2B (5-12) Q2
6281 18340.38(5)	26(3)	<b>T+ 3d-2c (1-0) Q2</b>	6309 18321.15(7)	54.2(10) 18321.26	
6282 18339.68(5)	15.6(8)		6310 18319.91(6)	118.1(10) 18319.89	
6283 18338.99(6)	14.0(17)		6311 18319.28(6)	107.6(11) 18319.35	
6284 <b>18338.62(4)</b>	52.0(15)	T+ 4b-2a (1-2) P5	6312 18318.71(7)	79.9(11) 18318.71	S+ GK-2B (0-3) P1
6285 18338.08(3)	352.5(11) 18338.04	<b>T+ 4b-2a (1-2) P5</b>	6313 18318.17(8)	20.0(13)	
6286 18337.51(6)	16.4(13)	S- 4E-2C (1-1) R2	6314 18317.68(6)	194.2(13) 18317.68	
6287 18337.08(3)	259.2(13) 18337.10	S+ EF-2B (29-5) P5	6315 18316.63(7)	40.5(10) 18316.67	
6288 18336.57(5)	53(3)	S- 4E-2C (1-1) R3	6316 18316.06(8)	16.1(10)	S+ GK-2B (4-6) P2 S+ WW-2B (0-3) R4 S+ GK-2B (3-5) P2 <b>T+ 3c-2a (1-0) R0</b>
6289 18336.26(4)	127(3)	S- 4E-2C (1-1) R1	6317 18315.32(8)	21.0(11)	
6290 18335.64(4)	61.9(8)		6318 18314.56(7)	88.2(12) 18314.65	
6291 18335.01(4)	74.4(12)		6319 18314.00(7)	40.7(12)	
6292 18334.60(4)	102.3(12)		6320 18313.50(7)	43.1(13) 18313.43	S+ GK-2B (0-3) P2 S+ WW-2B (0-3) R4 S+ GK-2B (3-5) P2 <b>T+ 3c-2a (1-0) R0</b>
6293 18333.75(3)	119.2(8)		6321 18312.63(7)	29.2(11) 18312.64	
6294 18332.77(3)	193.2(9) 18332.82	S- 4E-2C (1-1) R4	6322 18311.23(8)	23.6(14)	
6295 18332.26(3)	257.9(9) 18332.24	S- 3E-2B (3-9) Q6	6323 18310.77(7)	97.3(14) 18310.78	
		<b>T+ 3c-2a (1-0) R1</b>	6324 18309.92(6)	138.2(11) 18309.90	S+ GK-2B (4-6) P2 S+ WW-2B (0-3) R4 S+ GK-2B (3-5) P2 <b>T+ 3c-2a (1-0) R0</b>
6296 18331.71(6)	8.4(9)		6325 18308.99(7)	79.3(11)	
6297 18330.24(6)	105.2(10) 18330.27	S+ GK-2B (3-5) P1			
6298 18329.57(7)	67.2(10) 18329.54		6326 18308.38(6)	280.8(15) 18308.37	
6299 18328.94(7)	58.4(12) 18329.07		6327 18307.30(9)	29(4)	S+ GK-2B (4-6) P2 S+ WW-2B (0-3) R4 S+ GK-2B (3-5) P2 <b>T+ 3c-2a (1-0) R0</b>
6300 18328.44(8)	19.4(12)		6328 18306.99(8)	36(4)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6329 18305.85(7)	35.4(11) 18305.85	S+ GK-2B (0-3) R4	6358 18285.252(16)	251.1(7) 18285.26	S- 3E-2C (4-0) P5 S 4D-2C (0-0) R1
6330 18305.14(6)	145.0(11)				
6331 <b>18304.53(6)</b>	95.3(11) 18304.51	<b>T- 3e-2c (2-1) P3</b>	6359 18284.71(4)	7.5(6)	
6332 18303.77(7)	64.8(11)		6360 18283.89(3)	26.9(13)	
6333 18302.10(6)	130.5(11) 18302.06		6361 18283.54(3)	36.8(10)	
6334 18301.24(6)	91.1(11) 18301.30	<b>T+ 3d-2c (1-0) R5</b>	6362 18283.18(2)	30.5(12)	
6335 18300.60(7)	63.0(11) 18300.49		6363 18282.37(3)	11.0(5)	
6336 18299.81(7)	69.8(11) 18299.85		6364 18281.559(15)	237.2(6) 18281.59	S- 3E-2B (3-9) Q5
6337 18299.27(7)	86.2(11)		6365 18280.91(2)	114(4)	
6338 18297.53(7)	35.9(9) 18297.55		6366 18280.68(3)	33(4)	
6339 18297.02(8)	19.3(9)		6367 18280.03(2)	78.7(18)	
6340 18296.25(6)	409.1(10) 18296.23		6368 18279.748(19)	82.5(18)	
6341 18295.62(8)	28(2)	<b>T+ 3d-2c (1-0) Q3</b>	6369 18278.609(19)	73.6(12)	
6342 18295.29(7)	43(2)	<b>T+ 3d-2c (1-0) Q3</b>	6370 18278.26(2)	49.1(12)	
6343 18294.71(7)	42.6(9) 18294.59		6371 18277.34(2)	39.3(7)	S 4D-2C (0-0) Q1
6344 18293.84(7)	37.8(8) 18293.82		6372 18276.71(3)	32(2)	
6345 18292.90(6)	174.4(12) 18292.90	S+ GK-2B (4-6) P3	6373 18276.41(3)	52.3(18)	
6346 18292.48(8)	26.2(12)		6374 18275.990(16)	192.1(11) 18275.99	S- 4E-2C (1-1) Q2
6347 18291.86(7)	20.4(9)		6375 18274.98(3)	22(2)	
6348 18291.26(7)	78.5(15) 18291.26	S+ EF-2B (29-5) P6	6376 18274.701(17)	239(2) 18274.70	<b>T- 3c-2a (1-0) Q1</b> S+ 3E-2B (0-4) R3
6349 18290.89(8)	25.3(15)				
6350 18290.12(4)	30.3(7) 18290.13		6377 18274.25(4)	8.9(9)	
6351 18289.07(3)	35(4)		6378 18273.35(2)	19.6(7)	
6352 18288.86(3)	29(4)		6379 18271.98(2)	27.5(9)	
6353 18287.97(2)	28.6(6)	S+ GK-2B (0-3) P2 S+ GK-2B (0-3) R5	6380 18271.573(16)	215.5(10) 18271.59	
			6381 18270.97(4)	6.8(7)	
6354 18287.52(3)	10.4(6)		6382 18270.261(16)	149.7(7) 18270.24	
6355 18286.98(2)	24.7(5)		6383 18269.094(15)	305.6(8) 18269.10	S+ GK-2B (5-7) R3
6356 18286.19(2)	25.0(6)		6384 18268.37(4)	16.6(16)	
6357 18285.728(16)	140.1(6)		6385 18268.06(3)	25.9(16)	

Table II (Continued).

K $\nu$ , cm <sup>-1</sup>	$I$ , counts $\nu_R$ , cm <sup>-1</sup>	Assignment	K $\nu$ , cm <sup>-1</sup>	$I$ , counts $\nu_R$ , cm <sup>-1</sup>	Assignment
6386 18267.37(2)	36.5(7)	<b>T- 3c-2a (7-5) Q1</b>	6415 18248.28(3)	31.8(7)	T+ 3d-2c (1-0) Q4 <b>T+ 4b-2a (2-3) P3</b> S+ GK-2B (3-5) P5  <b>T- 3c-2a (7-5) Q3</b> S+ GK-2B (5-7) R1  S- 4E-2C (1-1) P2 S+ GK-2B (6-8) R4 S- 3E-2B (3-9) Q4
6387 18265.95(2)	29.3(10)		6416 18247.77(4)	18.7(7)	
6388 18265.57(3)	14.1(10)		6417 18247.12(3)	46.9(15)	
6389  <b>18264.951(15)</b>	626.4(9)	<b>T- 3c-2a (1-0) Q2</b>	6418 18246.73(4)	55.4(12)	
6390 18264.39(2)	31.2(8)		6419 18246.26(7)	7.1(10)	
6391 18263.82(2)	38.2(10)		6420 18245.38(3)	129.6(6)	
6392 18263.44(2)	41.6(10)	S+ GK-2B (3-5) P4  S+ WZ-2B (0-9) R2	6421 18244.66(3)	28.1(6)	
6393 18262.79(2)	52.5(12)		6422 18243.96(3)	144.5(7)	
6394 18262.403(19)	140.1(18)		6423 18243.35(3)	532.3(12)	
6395 18262.10(2)	88(2)		6424 18242.72(4)	61(3)	
6396 18261.534(17)	136.2(9)		6425  <b>18242.42(3)</b>	223(3)	
6397 18261.10(2)	41.0(9)	<b>T- 3e-2c (2-1) P4</b>			S+ 3E-2B (3-9) R1  S+ GK-2B (5-7) R0
6398 18260.215(19)	60.3(10)		6426 18241.86(4)	15.8(7)	
6399 18259.130(16)	164.9(10)		6427 18241.05(3)	362(2)	
6400 18258.42(6)	6.4(10)	S 4D-2C (0-0) R2  S+ GK-2B (0-3) P3	6428 18240.59(4)	90(3)	
6401 18257.81(8)	4.6(10)		6429 18240.28(3)	99(4)	
6402 18257.070(16)	468(4)				
6403 18256.73(3)	64(3)	<b>T- 3c-2a (1-0) Q3</b> S+ GK-2B (5-7) R2	6430 18239.41(3)	104.5(17)	
6404 18256.36(2)	139(3)		6431 18239.00(4)	174(13)	
			6432 18238.81(4)	137(14)	
6405 18255.88(3)	27.1(13)	<b>T- 3c-2a (1-0) Q3</b> S+ GK-2B (5-7) R2	6433 18238.23(3)	122.6(12)	
6406 18255.40(2)	42.4(12)		6434 18237.81(3)	91.9(12)	
6407 18254.65(4)	9.8(10)		6435 18236.65(3)	32.7(10)	
6408 18253.01(6)	12.8(18)	<b>T- 3c-2a (1-0) Q3</b> S+ GK-2B (5-7) R2	6436 18235.99(3)	34.9(10)	
6409 18252.63(3)	154(2)		6437 18235.20(3)	135.1(10)	
6410 18251.90(6)	7.3(8)		6438 18234.65(3)	195.6(10)	
6411 18251.40(3)	157.0(8)	<b>T- 3c-2a (1-0) Q3</b> S+ GK-2B (5-7) R2	6439 18233.79(3)	178.1(17)	
6412 18250.63(6)	30(6)		6440 18233.40(3)	206(4)	
6413 18250.36(3)	373(8)				
6414 18249.73(3)	194.0(8)				

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6441 18233.15(4)	48(5)		6469 18214.95(5)	14.4(13)	S 4D-2C (0-0) P2
6442 18232.54(3)	26.9(10)		6470 18214.54(3)	82.7(13)	S+ GK-2B (6-8) R2
6443 18231.75(5)	9.6(10)		6471 18213.88(5)	18.4(11)	
6444 <b>18231.03(3)</b>	895.8(12)	<b>T- 3c-2a (1-0) Q4</b>	6472 18213.46(3)	44.5(13)	
		S- 4E-2C (2-2) R3	6473 18212.61(2)	141(2)	18212.60
6445 18230.40(5)	13.1(13)		6474 18212.20(3)	106(3)	
6446 18230.00(3)	67.8(12)	S- 4E-2C (2-2) R2	6475 18211.87(3)	118(4)	
6447 18229.55(4)	22.4(11)		6476 18211.16(3)	18.3(5)	
6448 18228.97(3)	84.8(13)	S- 4E-2C (2-2) R4	6477 18210.48(3)	25.6(5)	
6449 18228.56(5)	22.9(14)		6478 18209.75(3)	55.8(11)	
6450 18228.18(3)	127.0(15)	S+ GK-2B (6-8) R3	6479 18209.32(3)	83.6(11)	18209.33
6451 18226.83(3)	190.3(12)		6480 18208.71(4)	10.9(6)	
6452 18226.42(3)	109.0(12)		6481 18207.72(2)	151.5(5)	
6453 18225.44(3)	38.8(11)				
6454 18224.95(5)	25.0(18)	S- 4E-2C (2-2) R1	6482 18207.00(2)	338.5(5)	18207.01
6455 18224.60(3)	112.3(16)	S- 4E-2C (2-2) R5	6483 18205.78(2)	137.5(7)	18205.81
6456 18224.14(3)	206(2)	S 4D-2C (0-0) Q2	6484 18205.27(3)	27.4(7)	
		S 4D-2C (0-0) R3	6485 18204.59(5)	5.4(5)	
6457 18223.83(4)	59(3)		6486 18203.64(3)	34.7(5)	18203.62
6458 18223.31(5)	34(3)		6487 18202.96(2)	119.1(6)	18202.98
6459 18223.04(3)	93(4)	18222.99	6488 18202.41(4)	13.0(6)	
6460 18222.24(5)	6.6(5)		6489 18201.73(5)	10.4(6)	
6461 18221.76(4)	8.7(5)		6490 18201.15(3)	54.9(7)	18201.17
6462 18221.22(3)	36.5(5)		6491 18200.68(3)	39.4(8)	
6463 <b>18220.21(3)</b>	149.2(5)	<b>T- 3c-2a (7-5) Q4</b>	6492 18199.48(2)	45.7(4)	18199.48
6464 18219.56(4)	10.0(5)		6493 18198.60(3)	19.6(3)	
6465 18218.02(3)	96.3(5)	S- 4E-2C (2-2) R6	6494 18197.69(2)	29.2(4)	18197.70
6466 18217.19(3)	46.5(5)	S+ GK-2B (0-3) P4	6495 18196.92(3)	25.6(5)	
6467 18216.36(4)	8.5(5)	S- 4E-2C (1-1) Q4	6496 18196.40(3)	39.8(5)	
6468 18215.64(3)	57.9(5)		6497 18195.47(3)	8.8(3)	

T- 3e-2c (2-1) P5

**T+ 3c-2a (1-0) P2**  
S+ GK-2B (5-7) P1

**T- 3c-2a (1-0) Q5**  
S- 3E-2B (3-9) Q3

S+ GK-2B (6-8) R1

**T+ 4b-2a (2-3) P4**

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6498 18194.24(2)	56.4(5)	<b>T- 3c-2a (7-5) Q5</b>	6527 18174.03(3)	44.3(5)	S- 3E-2B (0-4) Q6
6499 18193.71(2)	81.3(5)		6528 18173.39(4)	14.1(5)	
6500 18192.98(3)	39.2(6)		6529 18171.99(3)	23.5(5)	
6501 18192.50(4)	14.5(7)		6530 18171.10(3)	14.2(6)	
6502 18191.46(2)	55.6(4)	S+ 3E-2B (3-9) R0	6531 18170.68(3)	15.8(6)	S+ GK-2B (0-3) P5
6503 18190.56(5)	16.0(19)		6532 18169.93(2)	104.5(5)	
6504 18190.23(4)	20.5(19)		6533 18168.61(5)	11.9(16)	
6505 18189.42(2)	87.9(15)		6534 18168.33(4)	17.5(16)	
6506 18189.05(4)	18.5(14)	S 4D-2C (0-0) R4	6535 18167.12(4)	14.8(11)	S 4D-2C (0-0) Q3
6507 18188.33(2)	36.8(4)		6536 18166.76(2)	141.1(10)	
			6537 18166.42(3)	40.0(12)	
			6538 18165.37(3)	29.2(5)	
6508 18187.55(3)	16.8(4)	S+ GK-2B (6-8) R0	6539 18164.73(2)	148.3(5)	<b>T+ 3c-2a (1-0) P3</b>
6509 18186.14(2)	58.0(4)		6540 18164.00(2)	92.1(5)	
6510 18185.41(3)	33.3(8)		6541 18163.30(2)	140.3(6)	
6511 18184.97(4)	17.7(8)		6542 18162.84(2)	130.1(6)	
6512 18184.26(2)	44.3(4)	<b>T+ 3d-2c (1-0) Q5</b>	6543 18162.32(3)	21.4(6)	S+ GK-2B (5-7) P3
6513 18183.57(3)	11.3(4)		6544 18161.79(2)	165.8(5)	
6514 18182.58(3)	16.9(5)		6545 18161.13(3)	15.7(5)	
6515 18181.91(6)	7.0(5)		6546 18160.01(2)	82.1(5)	
6516 18181.24(3)	43.0(7)	S- 3E-2B (3-9) Q2	6547 18159.24(3)	13.1(5)	S+ 3E-2B (3-9) P3
6517 18180.67(3)	56.7(9)		6548 18158.06(2)	55.1(5)	
6518 18180.11(6)	19.0(10)		6549 18157.07(3)	29.2(6)	
6519 18179.56(4)	49.2(15)		6550 18156.58(3)	43.4(6)	
6520 18179.10(4)	44.6(18)	<b>T- 3c-2a (1-0) Q6</b>	6551 18156.11(3)	27.5(8)	S+ 3E-2B (3-9) P3
6521 <b>18178.42(2)</b>	578(3)		6552 18155.71(2)	218.0(11)	
6522 18177.86(3)	71.8(9)		6553 18155.38(3)	53.1(13)	
6523 18177.26(2)	225.1(12)		6554 18154.85(3)	18.2(6)	
6524 18176.29(2)	93.7(5)	18176.31	6555 18154.24(2)	152.1(6)	18154.22
6525 18175.52(4)	11.3(4)		6556 18153.71(4)	13.2(8)	
6526 18174.70(4)	9.8(5)				

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
6557 18153.34(2)	99.3(8)	18153.30	S 4D-2C (0-0) R5	6586 18133.32(2)	73.9(6)	18133.33	S- 4E-2C (1-1) P4
6558 18152.78(2)	214.4(6)	18152.78		6587 18132.91(2)	44.2(6)		
6559 18152.28(2)	80.8(5)	18152.30		6588 18132.06(2)	25.6(4)		
6560 18151.17(5)	5.7(6)			6589 18131.30(2)	34.2(4)		
6561 18150.66(3)	33.1(16)			6590 18130.15(3)	17.6(5)		
6562 18150.38(3)	34.0(17)		S+ GK-2B (7-9) R3 <b>T- 3c-2a (1-0) Q7</b>	6591 18129.58(3)	54(2)		<b>T+ 3d-2c (2-1) R2</b>
6563 18149.06(3)	28.6(6)			6592 18129.29(3)	65.2(17)		
6564 18148.57(2)	98.5(6)	18148.54		6593 18128.92(4)	25.6(12)		
6565 18147.90(4)	8.6(5)			6594 18128.49(5)	9.4(7)		
6566 18147.33(2)	106.2(5)			6595 18127.98(3)	38.8(9)	18128.02	
6567 18146.46(3)	23.0(5)			6596 18127.58(2)	109.0(15)	18127.60	S+ GK-2B (5-7) P5
6568 18145.89(2)	85.2(5)			6597 18127.29(2)	60(2)		S+ GK-2B (6-8) P3
6569 18145.26(2)	306.0(5)	18145.26		6598 18125.74(2)	143.7(15)	18125.73	
6570 18144.52(3)	29.3(8)			6599 18125.19(3)	23.4(5)		S- 3E-2B (0-4) Q5
6571 18144.16(3)	26.3(6)			6600 18124.53(3)	34(3)		
6572 18143.01(3)	17.6(4)		S- 4E-2C (2-2) Q3	6601 18124.29(2)	98(3)	18124.28	
6573 18142.38(2)	51.8(4)	18142.39	T+ 3d-2c (2-1) R1	6602 18123.38(2)	52.2(9)		
6574 <b>18141.83(3)</b>	83(4)		S+ GK-2B (6-8) P2	6603 18122.85(4)	11.0(9)		
6575 18141.60(3)	76(3)		S+ GK-2B (5-7) P4	6604 18122.18(3)	34.5(16)		<b>T+ 3d-2c (1-0) Q6</b>
6576 18141.21(3)	18.8(8)			6605 <b>18121.80(2)</b>	124.3(17)	18121.78	
6577 18140.18(3)	26.0(4)			6606 18121.43(4)	34.3(17)		
6578 18139.52(2)	95.7(8)	18139.53		6607 18121.08(3)	71(2)		
6579 18139.19(2)	68.1(8)			6608 18120.59(4)	14.4(10)		
6580 18138.56(2)	66.0(4)	18138.53		6609 18119.91(2)	69.3(9)	18119.89	S- 4E-2C (3-3) R3
6581 18138.03(5)	4.6(4)			6610 18119.29(2)	84.6(9)	18119.30	S- 4E-2C (3-3) R4
6582 18137.50(3)	21.7(4)			6611 18118.20(3)	15.2(9)		<b>T+ 3c-2a (1-0) P4</b> S- 4E-2C (3-3) R5
6583 18136.72(3)	11.4(4)			6612 18117.37(2)	354.3(10)	18117.36	
6584 18134.46(3)	16.0(7)						
6585 18134.08(4)	10.3(7)			6613 18116.89(3)	31.0(10)		



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6614 18116.39(3)	39.9(10)	S- 4E-2C (3-3) R2 S+ 3E-2B (0-4) R1  S+ GK-2B (0-3) P6 <b>T+ 3d-2c (2-1) Q1</b>	6643 18097.64(3)	375.0(10)	<b>T+ 3c-2a (2-1) R3</b>
6615 18115.23(3)	19.6(9)		6644 18097.21(4)	15.4(8)	
6616 18114.58(2)	99.6(10)		6645 18096.56(5)	5.8(6)	
6617 18114.13(2)	63.2(10)		6646 18095.51(3)	25.3(6)	
6618 18113.44(2)	105.2(10)		6647 18094.58(3)	37.3(6)	
6619 18112.98(3)	19.0(10)		6648 18093.08(3)	41.7(6)	
6620 18112.00(3)	28(2)		6649 18092.04(4)	13.7(6)	
6621 18111.68(2)	146.8(19)		6650 18091.22(3)	162(2)	
6622 18111.16(3)	31.8(10)		6651 18090.95(3)	48(2)	
6623 18110.57(4)	10.2(9)		6652 18090.28(3)	127.5(6)	
6624 18109.85(3)	72(6)	<b>T+ 3c-2a (2-1) R5</b> <b>T+ 3d-2c (2-1) R3</b>	6653 18089.62(3)	25.8(6)	<b>T+ 3c-2a (2-1) R8</b>
6625 18109.63(2)	472(6)		6654 18089.08(3)	299.1(7)	
			6655 18088.46(5)	7.7(6)	
6626 18109.16(2)	66.1(11)		6656 18087.91(5)	7.4(6)	
6627 18108.59(3)	24.3(9)		6657 18086.85(3)	77.2(10)	
6628 18107.95(2)	467(6)		6658 18085.46(5)	12.1(9)	
6629 18107.72(2)	516(6)		6659 18084.63(4)	25.9(12)	
6630 18107.25(3)	34.0(12)		6660 18084.09(3)	753(7)	
6631 18106.81(2)	118.9(11)				
6632 <b>18106.17(2)</b>	672(2)				
6633 18105.59(4)	27.3(15)	S+ GK-2B (6-8) P4 <b>T+ 3c-2a (2-1) R4</b>	6661 18083.75(7)	31(5)	<b>T+ 3c-2a (2-1) R2</b> S- 3E-2B (0-4) Q4
6634 18104.55(3)	64.6(14)		6662 18083.27(3)	70.9(14)	
6635 18103.82(3)	30.2(14)		6663 18082.70(3)	152.0(10)	
6636 18102.84(2)	94.4(15)				
6637 18101.60(5)	7.1(7)		6664 18081.31(12)	5.8(19)	
6638 18101.11(3)	185.4(9)		6665 18080.67(4)	21.1(9)	
6639 18100.73(3)	56.4(9)		6666 18079.21(3)	65.7(9)	
6640 18098.70(3)	160(8)		6667 18078.25(3)	218.0(10)	
6641 18098.45(4)	272(10)		6668 18076.30(5)	13.2(10)	
6642 18098.26(3)	279(15)		6669 18075.80(4)	26.5(10)	
			6670 18075.07(3)	173.8(10)	
		<b>T+ 3d-2c (2-1) P1</b>			S 3A-2B (2-9) R3  S- 3E-2C (5-1) R3  S 4D-2C (0-0) R7

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6671 18074.49(4)	20.7(10)	S+ GK-2B (6-8) P6	6701 18055.46(4)	110.5(7)	<b>T+ 3d-2c (2-1) P2</b>
6672 18073.65(3)	30.0(9)		6702 18054.98(5)	10.3(6)	
6673 18072.78(3)	47.5(14)		6703 18054.49(4)	42.1(6)	
6674 18072.35(7)	12.5(13)		6704 18053.95(3)	86.4(6)	
6675 18071.88(3)	110.9(14)	<b>T+ 3c-2a (2-1) R9</b>	6705 18053.45(3)	87.7(6)	S- 3E-2B (0-4) Q3 S- 4E-2C (3-3) Q2
6676 18071.44(3)	183.0(16)		6706 18052.86(4)	22.7(6)	
6677 18071.05(4)	42.9(19)		6707 18052.26(4)	43.2(15)	
6678 18070.36(3)	39.5(9)		6708 18051.95(4)	136.4(14)	
6679 18068.74(5)	5.1(5)	S+ 3E-2B (0-4) P4	6709 18051.47(4)	30.4(6)	<b>T+ 3d-2c (2-1) R5</b> S+ EF-2B (32-7) R3 S 3A-2B (3-11) R4
6680 18068.28(3)	20.1(5)		6710 18050.99(4)	17.2(6)	
6681 18067.78(3)	17.9(5)		6711 18050.14(3)	65.4(5)	
6682 18066.56(4)	7.7(5)		6712 18049.27(3)	168.6(5)	
6683 18066.00(3)	160.1(16)	<b>T+ 3c-2a (2-1) R1</b>	6713 18048.61(4)	48.6(5)	18050.16 18049.29 18048.63
6684 18065.67(3)	281.1(16)		6714 18047.77(5)	28(4)	
6685 18065.34(3)	385.4(17)		6715 18047.54(7)	23(3)	
6686 18065.04(4)	42(2)		6716 18047.21(10)	6.9(15)	
6687 18064.57(3)	32.4(6)	S+ GK-2B (0-3) P7	6717 18046.82(14)	1.9(7)	S+ GK-2B (7-9) P2
6688 18064.03(7)	3.5(5)		6718 18046.26(4)	12.3(4)	
6689 18063.42(3)	158.2(5)		6719 18045.71(4)	38.7(4)	
6690 18062.67(4)	10.3(5)		6720 18045.02(5)	7.0(4)	
6691 18060.84(4)	32.3(5)	18060.81	6721 18044.49(4)	23.2(4)	18044.44
6692 18060.20(6)	4.8(5)		6722 18043.39(5)	13.6(18)	
6693 18059.41(4)	16.5(5)		6723 18043.10(5)	32.1(11)	
6694 18058.82(3)	219.8(6)		6724 18042.71(4)	117(3)	
6695 18058.31(4)	17.5(6)	18058.80	6725 <b>18042.39(3)</b>	425(6)	<b>T+ 3c-2a (2-1) R0</b>
6696 18057.82(5)	11.9(6)		6726 18041.97(5)	28.8(9)	
6697 18057.15(3)	473.3(7)		6727 18041.53(4)	115(10)	
6698 18056.63(4)	25.0(8)				
6699 18056.22(4)	43.9(14)	18057.13	6728 18041.37(5)	43(11)	<b>T+ 3d-2c (2-1) Q3</b> S 3A-2B (2-9) R2 S 3A-2B (2-9) R2 S 4D-2C (0-0) Q5
6700 18055.90(4)	95.9(15)		6729 18040.58(4)	13.4(4)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
6730 18040.05(4)	10.1(4)		<b>T+ 3b-2a (8-2) R1</b>	6760 18021.89(2)	18.1(10)		S+ GK-2B (2-5) R2
6731 18039.45(4)	42.9(4)			6761 18021.38(4)	3.9(4)		
6732 18038.86(4)	136(15)	18038.81		6762 18020.564(14)	69.9(4)		
6733 18038.71(6)	42(14)			6763 18020.116(12)	238.3(5)	18020.10	
6734 18038.28(3)	106.8(8)	18038.29		6764 18019.483(17)	30.0(5)		
6735 18037.45(5)	10.7(6)			6765 18019.11(3)	8.9(5)		
6736 18037.06(3)	232.9(8)	18037.09		6766 18018.37(2)	8.9(4)		
6737 18036.62(6)	6.1(5)			6767 18017.88(2)	10.0(4)		
6738 18035.96(5)	9.1(6)			6768 18017.223(14)	37.6(4)	18017.22	
6739 18035.55(6)	8.0(6)			6769 18016.492(13)	65.9(4)		
6740 18035.15(4)	55.9(12)		6770 18015.932(14)	41.9(4)	18015.94		
6741 18034.85(4)	107.7(15)	18034.82	6771 18015.207(18)	14.8(4)			
6742 18034.21(4)	48.4(4)		6772 18014.29(2)	14.1(5)			
6743 18033.66(3)	276.8(8)	18033.63	6773 18013.93(3)	7.4(5)			
6744 18033.22(7)	10.3(10)		6774 18013.08(2)	11.5(4)			
6745 18032.88(10)	6.4(10)						
6746 18032.53(5)	13.6(9)		<b>T+ 3b-2a (8-2) R0</b>	6775 18012.644(15)	41.1(4)	18012.65	
6747 18031.74(4)	36.7(8)	18031.79	S- 4E-2C (2-2) P4	6776 18011.24(2)	47(4)		
6748 18031.38(4)	29.6(8)		S- 3E-2B (0-4) Q2	6777 18010.985(18)	119(3)		
6749 18030.75(4)	10.3(4)			6778 18010.58(2)	22.8(12)		
6750 18029.85(4)	17.1(5)			6779 <b>18009.689(12)</b>	374.6(8)	18009.70	
6751 18029.18(4)	34.6(5)		S+ 3E-2B (0-4) P3	6780 18009.096(19)	25.2(8)		
6752 18028.61(3)	232(3)	18028.58		6781 18007.30(2)	18.5(8)		
6753 18028.37(4)	36(3)			6782 18006.702(12)	857.8(10)	18006.71	
6754 18027.30(4)	38.3(5)	18027.37	<b>T+ 3b-2a (8-2) R2</b>	6783 18006.099(16)	97.8(18)		
6755 18026.55(4)	35.7(5)	18026.55	S+ GK-2B (2-5) R3	6784 18005.80(2)	30.7(19)		
6756 18025.81(5)	9.1(5)			6785 18005.068(13)	142.3(8)	18005.08	
6757 18024.33(4)	6.9(4)			6786 18004.60(2)	17.0(8)		
6758 18023.56(3)	26.3(4)	18023.49		6787 18003.916(16)	44.5(8)		
6759 18022.18(2)	21.5(10)			6788 18001.829(16)	47.6(8)		

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
6789 18001.302(14)	113.8(8)	18001.30	S+ EF-2B (32-7) P1	6818 17977.46(3)	100.5(8)	17977.48	S- 4E-2C (2-2) P5
			S+ 3E-2B (0-4) P2	6819 17976.54(3)	90.9(8)	17976.58	
6790 18000.76(3)	16.4(8)			6820 17975.85(2)	281.1(9)	17975.87	
6791 18000.197(12)	1018.1(14)	18000.19	<b>T- 3c-2a (2-1) Q2</b>	6821 17975.27(3)	43.8(15)		S+ GK-2B (8-10) R1
6792 17999.70(3)	19.4(10)			6822 17974.92(3)	110.3(16)	17974.94	
6793 17999.29(3)	27.0(10)		S- 4E-2C (4-4) R3	6823 17973.49(5)	27(6)		
6794 17998.90(3)	15.1(11)			6824 17973.28(3)	174(5)	17973.28	
6795 17997.487(18)	30.1(8)			6825 17972.90(3)	39.0(11)		
6796 17996.735(15)	51.8(8)	17996.73		6826 17972.12(2)	108.1(5)	17972.11	S+ GK-2B (1-4) R7
6797 17995.685(15)	58.5(8)	17995.67		6827 17971.39(5)	4.9(5)		
6798 17994.522(19)	44.3(15)		<b>T+ 3d-2c (2-1) P3</b>	6828 17970.84(3)	17.8(5)		
6799 17994.21(3)	18.0(15)		S- 4E-2C (4-4) R2	6829 17970.30(3)	84.5(5)	17970.30	
6800 17992.538(14)	194.1(12)	17992.52	<b>T+ 3d-2c (2-1) Q4</b>	6830 17969.41(4)	10.5(5)		
6801 17992.06(2)	34.1(11)			6831 17968.81(4)	23.8(13)		
6802 17991.355(15)	86.2(10)			6832 17968.52(3)	94.7(13)	17968.53	<b>T- 3c-2a (8-6) Q2</b>
6803 17990.82(3)	18.0(10)			6833 17967.89(4)	34(5)		S+ GK-2B (2-5) P1
6804 17988.778(14)	109.2(10)			6834 17967.69(5)	31(5)		<b>T- 3c-2a (2-1) Q4</b>
6805 17987.689(14)	120.3(10)	17987.70		6835 17967.11(2)	1266.9(9)	17967.11	
6806 17987.113(19)	94(3)			6836 17966.57(3)	20.4(6)		
6807 17986.802(15)	214(3)	17986.82		6837 17964.87(3)	113.5(8)	17964.87	
6808 17986.001(12)	575.4(13)	17985.99	<b>T- 3c-2a (2-1) Q3</b>	6838 17964.51(3)	44.3(8)		
6809 17985.233(17)	53.4(10)		S+ GK-2B (8-10) R2	6839 17964.02(3)	17.4(6)		S+ GK-2B (8-10) R0
6810 17983.379(19)	167.9(9)	17983.31	<b>T+ 3b-2a (8-2) P1</b>	6840 17962.88(4)	10.0(5)		
6811 17982.28(3)	130.7(8)	17982.30		6841 17962.21(3)	11.4(5)		
6812 17981.66(2)	197.1(8)	17981.65		6842 17961.61(3)	31.7(5)		
6813 17980.85(3)	40.9(8)	17980.82		6843 17960.89(3)	11.5(5)		
6814 17980.13(5)	9.3(8)			6844 17960.24(5)	6.3(6)		
6815 17979.26(3)	98.9(10)	17979.26		6845 17959.77(3)	64(4)	17959.77	
6816 17978.80(3)	40.3(11)		<b>T- 3c-2a (8-6) Q1</b>	6846 17959.57(4)	28(5)		<b>T- 3f-2c (0-0) R14</b>
6817 17978.39(6)	8.3(12)			6847 17958.81(2)	227.8(6)	17958.80	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
6907 17916.16(4)	22.2(14)	<b>T- 3c-2a (2-1) Q6</b>	6935 17894.14(4)	5.2(3)	S- 4E-2C (1-1) P8 S+ 3E-2B (1-6) R1 S- 4E-2C (4-4) P2  S- 3E-2B (1-6) Q4
6908 <b>17915.725(16)</b>	1062(2)		6936 17893.52(6)	4.0(5)	
6909 17915.20(3)	26.8(10)		6937 17893.07(3)	313.4(8)	
6910 17914.050(18)	112.5(9)		6938 17892.54(3)	27.8(4)	
6911 17913.45(3)	25.2(9)		6939 17892.12(7)	3.1(4)	
6912 17912.319(18)	115.5(9)		6940 17891.48(3)	23.9(3)	
6913 17910.86(3)	18.0(7)	S 4D-2C (0-0) Q7	6941 17890.92(3)	68.1(8)	17890.94
6914 17909.57(5)	13.4(19)		6942 17890.50(4)	60(6)	
6915 17909.28(3)	55.0(19)		6943 17890.26(5)	59(4)	
6916 17908.48(3)	55.8(5)		6944 17890.00(4)	43(3)	
6917 17907.91(3)	29.4(6)				
6918 17907.33(3)	50.0(5)				
		<b>T- 3c-2a (8-6) Q5</b> S+ 3F-2C (3-0) R1	6945 17888.80(4)	9.9(3)	17888.22
6919 17906.55(4)	8.8(5)		6946 17888.26(3)	50.9(6)	
6920 17905.40(4)	9.1(5)		6947 17887.85(5)	8.6(5)	
6921 17904.68(3)	35.8(5)		6948 17887.47(9)	2.3(6)	
6922 <b>17903.97(3)</b>	231.5(9)		6949 17886.86(3)	23.9(3)	
			6950 17886.26(4)	38(2)	
		<b>T+ 3c-2a (2-1) P3</b> S+ GK-2B (2-5) P4	6951 17886.03(4)	27(2)	17886.87
6923 17903.45(3)	46.9(6)		6952 17885.47(5)	3.5(3)	
6924 17902.80(3)	54.3(6)		6953 17884.68(5)	4.1(3)	
6925 17902.26(6)	5.6(6)		6954 17883.99(4)	5.1(3)	
6926 17901.55(3)	56.8(5)		6955 <b>17883.39(3)</b>	419.7(10)	
6927 17900.92(3)	37.4(5)		6956 17882.96(3)	71.7(7)	
6928 17900.24(3)	148.7(6)	S 3A-2B (3-11) R1  S- 3E-2B (4-11) Q2 <b>T+ 3b-2a (10-3) R3</b> <b>T- 3f-2c (0-0) R11</b>	6957 17882.54(3)	47.6(10)	17883.38
6929 17899.47(3)	42.4(8)		6958 17882.09(6)	3.7(4)	
6930 17899.06(5)	11.4(8)		6959 <b>17880.73(3)</b>	21.8(4)	
6931 17898.12(3)	54.2(5)		6960 17879.99(3)	14.5(4)	
6932 17896.55(4)	5.1(3)		6961 17878.63(3)	249.2(6)	
6933 17895.96(4)	9.2(4)		6962 17878.16(5)	6.7(5)	
6934 17895.53(4)	9.5(4)		6963 17877.56(4)	14.8(5)	17878.62
					<b>T+ 3d-2c (2-1) Q6</b>
					<b>T- 3c-2a (2-1) Q7</b>
					S- 3E-2B (4-11) Q1
					<b>T+ 3b-2a (8-2) P3</b>
					<b>T+ 3d-2c (2-1) Q6</b>

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
6964 17877.08(3)	213.2(6)	17877.05	<b>T- 3c-2a (8-6) Q6</b>  S- 4E-2C (3-3) P5 S 3A-2B (3-11) R0 S+ GK-2B (1-4) R5	6992 17857.70(5)	13.3(9)		S- 3E-2B (1-6) Q3
6965 17876.55(6)	5.4(5)			6993 17855.37(3)	101.6(7)	17855.40	
6966 17876.10(5)	6.6(5)			6994 17854.75(3)	225.6(17)	17854.72	
6967 17875.37(3)	116.7(4)			6995 17854.46(4)	28.1(18)		
6968 17874.76(3)	23.7(5)		<b>T+ 3f-2c (0-0) R8</b>	6996 17853.53(4)	21.1(7)		<b>T+ 3d-2c (3-2) R2</b>
6969 17874.33(4)	11.9(5)			6997 17852.75(4)	16.9(7)		
6970 17873.54(3)	109.8(5)	17873.49		6998 17852.06(5)	10.9(7)		
6971 17873.02(4)	31.3(18)			6999 17850.80(3)	85.1(7)	17850.75	
6972 17872.75(5)	12.6(19)		<b>T- 3f-2c (0-0) R10</b> S+ 3E-2B (4-11) P3	7000 17848.03(5)	10.2(7)		<b>T+ 3d-2c (2-1) P5</b> <b>T- 3c-2a (2-1) Q8</b>
6973 17872.04(4)	13.0(7)			7001 17847.24(4)	29.0(9)		
6974 17871.68(4)	19.4(7)			7002 <b>17846.81(3)</b>	691.7(19)	17846.80	
6975 17871.00(3)	152.9(4)	17870.97		7003 17846.43(4)	78.0(13)		
6976 17870.43(4)	10.3(4)		<b>T+ 3b-2a (10-3) P2</b>	7004 17846.07(7)	10.0(14)		<b>T+ 3c-2a (3-2) R5</b> <b>T+ 3c-2a (3-2) R4</b>
6977 17869.49(3)	34.7(4)	17869.54		7005 17845.60(3)	149.8(8)	17845.60	
6978 17868.90(3)	102.7(8)	17868.91		7006 17844.98(4)	46(4)		
6979 17868.41(4)	8.4(5)			7007 17844.76(5)	38(4)		
6980 17866.59(4)	45.2(7)		<b>T+ 3d-2c (3-2) R1</b> <b>T+ 3c-2a (2-1) P4</b>	7008 17843.71(3)	37.5(6)	17843.70	S+ GK-2B (1-4) R4 <b>T- 3f-2c (0-0) R9</b>
6981 17866.11(4)	35.1(11)			7009 17843.25(4)	35.4(6)		
6982 17865.76(4)	87.2(11)	17865.81		7010 17842.71(3)	333.3(7)	17842.68	
6983 17865.34(7)	6.3(8)			7011 17842.12(3)	819(16)		
6984 17864.55(3)	53.4(6)	17864.59	<b>T+ 3d-2c (3-2) R1</b> <b>T+ 3c-2a (2-1) P4</b>	7012 17841.87(4)	178(13)		S- 3E-2B (2-8) Q7
6985 17862.24(4)	22.3(6)			7013 17841.58(4)	63(4)		
6986 17861.48(3)	56.4(6)	17861.50		7014 17840.83(3)	94.3(6)	17840.86	
6987 17860.91(4)	14.3(6)			7015 17840.09(4)	11.1(5)		
6988 17859.43(4)	56.5(9)		<b>T+ 3d-2c (3-2) R1</b> <b>T+ 3c-2a (2-1) P4</b>	7016 17838.58(4)	11.9(5)		S+ 3E-2B (1-6) P4
6989 17859.02(3)	131.0(10)			7017 17837.55(3)	82.8(5)	17837.53	
6990 <b>17858.62(3)</b>	563.2(13)	17858.63		7018 17836.65(4)	25.6(5)		
6991 17858.10(5)	15.7(9)			7019 17836.10(6)	5.6(6)		
				7020 17835.68(4)	17.9(6)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
7021 <b>17835.05(3)</b>	341.3(6)	17835.04	<b>T+ 3c-2a (3-2) R3</b>	7050	17813.85(3)	61.3(18)	17813.86
7022 <b>17834.31(4)</b>	91(9)	17834.27	<b>T+ 3d-2c (3-2) R3</b>	7051	17812.83(3)	185.2(18)	17812.87
7023 17834.16(6)	23(9)		<b>T+ 3d-2c (3-2) R3</b>	7052	17811.20(3)	82.3(18)	T+ 3d-2c (3-2) R4
7024 17832.90(4)	10.2(6)			7053	17810.64(3)	86.4(18)	17810.59
7025 17832.39(4)	31.1(6)			7054	17809.90(3)	68.3(18)	<b>T+ 3b-2a (8-2) P4</b>
7026 17831.70(4)	13.4(6)			7055	17809.28(3)	271.8(18)	<b>T+ 3c-2a (2-1) P5</b>
7027 17831.27(3)	61.7(6)	17831.28	S- 3E-2B (1-6) Q2	7056	17808.68(3)	53.1(18)	S+ 3E-2B (1-6) P3
7028 17830.73(3)	228.8(8)	17830.74		7057	17807.88(3)	272(3)	<b>T- 3f-2c (0-0) R8</b>
7029 17830.36(3)	101.7(8)			7058	17807.51(5)	30(3)	
7030 17828.36(3)	46.8(8)		<b>T+ 3d-2c (3-2) Q1</b>	7059	17806.77(5)	20.6(18)	
7031 17828.00(4)	18.4(7)			7060	17806.07(3)	226.7(11)	<b>T- 3c-2a (2-1) Q9</b>
7032 17827.49(3)	300.1(6)	17827.49		7061	17805.27(3)	279.1(12)	17805.25
7033 17826.17(3)	132.7(5)	17826.19		7062	17803.21(3)	88.3(10)	
7034 17825.09(3)	28.7(10)			7063	17802.37(3)	95.0(14)	
7035 17824.77(4)	19.9(10)			7064	17801.97(3)	228.3(14)	17801.97
7036 17823.93(3)	237(10)	17823.93	<b>T+ 3f-2c (0-0) R7</b>	7065	17801.30(3)	182.6(12)	17801.30
			S- 4E-2C (3-3) P6	7066	17800.87(4)	31.0(12)	
7037 17823.78(4)	45(9)			7067	17799.68(3)	38.6(10)	S+ GK-2B (1-4) R2
7038 17823.22(3)	32.2(5)			7068	17798.75(3)	170.1(12)	17798.76
7039 <b>17822.61(3)</b>	788.4(15)	17822.59	<b>T+ 3c-2a (3-2) R2</b>	7069	17798.35(3)	101.0(12)	17798.36
7040 17822.26(3)	53.1(11)			7070	17797.40(6)	10.8(13)	
7041 17821.89(3)	39.7(8)			7071	17797.03(4)	77.9(13)	17797.08
7042 17821.07(3)	140.3(18)			7072	17796.48(4)	69.3(8)	17796.42
7043 17820.30(3)	174(8)	17820.25		7073	17795.94(4)	77.6(8)	17795.91
7044 17820.05(3)	154(8)	17820.05		7074	17794.47(4)	28.3(8)	
7045 17819.42(3)	217.7(18)	17819.46		7075	17793.92(3)	128.1(9)	17793.92
7046 17818.16(3)	331.8(18)	17818.22	S+ WX-2B (0-2) P1	7076	17793.34(3)	420.6(11)	17793.34
7047 17817.10(3)	72.0(18)	17817.12	S+ GK-2B (1-4) R3	7077	17792.62(5)	12.9(8)	
7048 17815.90(3)	108(2)	17815.90	<b>T+ 3d-2c (2-1) Q7</b>	7078	17791.38(4)	52.4(8)	S+ WX-2B (0-2) P2
7049 17815.49(4)	55(2)		S- 3E-2B (1-6) Q1				S+ GK-2B (1-4) R1



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
7079 17790.82(3)	97.5(8) 17790.82	<b>T+ 3c-2a (3-2) R0</b> <b>T+ 3d-2c (3-2) R5</b>	7108 17764.92(4)	43.8(6)	<b>S- 4E-2C (4-4) P5</b> <b>T+ 3d-2c (2-1) P6</b>
7080 17790.31(3)	134.6(9) 17790.36		7109 17764.45(5)	12.8(6)	
7081 17786.36(4)	40.0(6) 17786.37		7110 17763.67(4)	38.3(5) 17763.61	
7082 17785.60(3)	78.2(6)		7111 17762.84(3)	149.8(6) 17762.81	
7083 17785.07(5)	14.9(7)		7112 17761.94(5)	9.5(6)	
7084 17784.61(4)	61.9(7) 17784.64		7113 17761.34(3)	527(2) 17761.33	
7085 17783.87(4)	15.2(6)				
7086  <b>17783.06(3)</b>	557(4) 17783.04		7114 17760.94(4)	78.1(16)	
			7115  <b>17760.38(4)</b>	38.4(6)	
7087 17782.75(4)	71(3)		7116 17759.46(4)	15.1(6)	
7088 17781.92(3)	236.8(7) 17781.95	<b>T+ 3c-2a (3-2) R0</b> <b>T+ 3d-2c (3-2) R5</b>	7117 17759.01(4)	18.4(6)	<b>T+ 3b-2a (6-1) R1</b>  S+ GK-2B (1-4) P1
7089 17781.42(4)	19.4(6)		7118 17758.33(4)	25.5(6) 17758.28	
7090 17779.34(3)	81.1(6) 17779.32		7119 17757.75(4)	16.5(6)	
7091 17777.48(5)	8.7(6)		7120 17757.03(3)	104.9(6) 17757.09	
7092 17776.69(4)	20.6(6)		7121  <b>17756.43(3)</b>	248.6(10) 17756.43	
7093 17775.84(3)	168.0(6) 17775.82		7122 17755.98(3)	519.1(14) 17756.03	
7094 17775.24(5)	9.1(7)		7123 17755.33(5)	14.5(6)	
7095 17774.78(5)	10.6(7)		7124 17754.82(5)	11.8(6)	
7096 17773.43(4)	14.6(6)		7125 17752.08(4)	32.9(7)	
7097  <b>17772.82(3)</b>	200.2(9) 17772.81		7126 17751.57(4)	307.0(10) 17751.60	
7098 17772.42(3)	182.8(8) 17772.44	<b>T+ 3f-2c (0-0) R6</b> <b>T- 3f-2c (0-0) R7</b>	7127 17750.82(4)	63.6(8)	<b>T- 3c-2a (3-2) Q1</b>  S+ WX-2B (0-2) P3 S+ WX-2B (0-2) P3
7099 17771.94(5)	9.7(7)		7128 17750.25(4)	234(17) 17750.20	
7100 17771.31(4)	67.7(6) 17771.34		7129 17750.10(6)	78(18)	
7101 17770.76(4)	25.1(6)		7130 17744.71(4)	158.7(8) 17744.74	
7102 17769.89(5)	11.8(6)		7131 17742.83(5)	14.9(9)	
7103 17768.67(4)	22.7(8)		7132  <b>17742.31(4)</b>	957.9(15) 17742.31	
7104 17768.27(4)	38.0(8) 17768.24		7133 17741.84(6)	14.4(10)	
7105 17766.79(5)	7.6(5)		7134 17740.26(4)	94.2(8) 17740.31	
7106 17765.98(3)	215.9(9) 17766.00		7135 17739.40(5)	12.2(8)	
7107 17765.59(3)	139.8(8) 17765.57		7136 17737.47(4)	139(4) 17737.44	
		<b>T+ 3d-2c (3-2) Q3</b>			

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
7137 17737.23(6)	21(4)		7166  <b>17712.00(3)</b>	108.3(11) 17712.02	<b>T+ 3b-2a (6-1) R4</b>
7138 17735.57(7)	10.7(11)		7167 17711.54(3)	102.7(12) 17711.58	
7139 17735.14(4)	375(6)		7168 17711.15(3)	49.7(13)	
7140 17734.85(4)	608(10)	<b>T- 3f-2c (0-0) R6</b>	7169 17710.52(3)	57.8(12)	<b>T- 3c-2a (3-2) Q4</b>
7141 17734.66(5)	163(16)		7170  <b>17710.05(3)</b>	1185.8(16) 17710.04	
7142 17733.98(5)	18.0(10)		7171 17709.53(3)	157.9(11)	
7143 17733.47(5)	23.1(10)		7172 17709.08(4)	21.5(11)	T- 3f-2c (1-1) R9
7144 17732.93(5)	23.9(9)		7173 17708.54(5)	11.7(10)	
7145 17729.45(4)	73.3(9) 17729.41		7174 17707.79(3)	32.2(10) 17707.80	
7146 17728.88(5)	25.4(14)		7175 17706.36(3)	41.6(10) 17706.34	
7147 17728.46(4)	564.3(17) 17728.47	<b>T- 3c-2a (3-2) Q3</b>	7176 17705.17(4)	19.1(10)	
7148 17727.86(5)	21.2(9)	S+ 3E-2B (2-8) R2	7177 17704.67(4)	20.9(10)	
7149 17726.36(4)	61.0(9) 17726.27	<b>T+ 3b-2a (8-2) P5</b>	7178 17703.76(3)	28.7(10) 17703.78	
7150 17725.06(5)	17.8(9)	<b>T+ 3b-2a (10-3) P4</b>	7179 17702.60(3)	54.4(10)	
7151 17723.32(3)	95.6(8) 17723.31	S- 3E-2B (2-8) Q5	7180 17700.95(3)	51.8(10) 17700.95	
7152 17722.82(3)	147.8(8) 17722.82	<b>T+ 3f-2c (1-1) R8</b>	7181 17700.40(5)	13.0(11)	
7153 17721.83(4)	9.2(6)		7182 17699.88(3)	319(3) 17699.86	
7154 17721.26(3)	784.1(11) 17721.29	<b>T+ 3f-2c (0-0) R5</b>	7183 17699.62(3)	62(3)	<b>T+ 3c-2a (2-1) P7</b>
		<b>T+ 3d-2c (3-2) Q4</b>	7184  <b>17699.06(3)</b>	255.4(10) 17699.04	
7155 17720.79(4)	18.9(8)		7185 17698.25(3)	38.5(10)	<b>T- 3c-2a (9-7) Q1</b>
7156 17720.32(5)	7.9(7)		7186 17697.52(4)	22.0(11)	
7157 17719.63(3)	69.0(15) 17719.68		7187 17697.06(3)	78.1(14) 17697.03	
7158 17719.33(4)	27.7(15)		7188 17696.70(5)	14.6(14)	
7159 17718.43(4)	8.6(6)		7189 17695.83(4)	27.8(17)	<b>T- 3f-2c (0-0) R5</b> S+ WX-2B (0-2) P4
7160 17717.52(5)	6.6(6)	S- 4E-2C (4-4) P6	7190 17695.53(3)	352.4(17)	
7161  <b>17716.73(3)</b>	56.8(6) 17716.74	<b>T+ 3d-2c (3-2) P3</b>			
7162 17713.92(4)	45(2)		7191 17695.02(3)	69.4(5)	
7163 17713.63(3)	79(2) 17713.65		7192 17694.51(4)	16.1(6)	
7164 17712.77(3)	138(6) 17712.73		7193 17694.09(5)	6.3(6)	
7165 17712.56(4)	46(6)		7194 17692.04(3)	86(2)	

Table II (Continued).

$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment	$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment
7195 17691.76(3)	74.2(15)	17691.76	<b>T+ 3f-2c (0-0) Q14</b>	7225 17667.67(3)	40.3(9)	17667.66	<b>T+ 3f-2c (0-0) Q12</b>
7196 17691.40(4)	26.7(13)			7226 17666.87(3)	255.3(10)		
7197 17690.82(3)	17.0(5)			7227 17665.98(3)	38.8(9)	17665.97	
7198 17689.53(3)	230(5)	17689.50		7228 17663.83(5)	10.2(9)		
7199 17689.26(3)	233(4)	17689.24	<b>T+ 3c-2a (3-2) P2</b>	7229 17662.91(5)	12.7(9)		S+ GK-2B (1-4) P5
7200 17687.53(4)	54(3)		<b>T- 3c-2a (9-7) Q2</b>	7230 17660.96(4)	22.7(15)		
7201 17687.16(3)	556(4)	17687.17	<b>T- 3c-2a (3-2) Q5</b>	7231 17660.45(3)	188.4(15)	17660.45	S 4D-2B (0-11) R1
7202 17686.06(5)	14.5(12)			7232  <b>17659.91(3)</b>	939.0(18)	17659.90	
7203 17685.00(4)	38.6(12)			7233 17659.37(3)	278.5(14)	17659.37	<b>T- 3c-2a (3-2) Q6</b>
7204 17684.39(4)	42.1(12)			7234 17658.19(4)	31.8(14)		
7205 17683.82(3)	77.4(12)	17683.85		7235 17656.94(3)	153.2(14)	17656.91	
7206 17683.19(4)	39.8(12)			7236 17655.71(4)	26.9(15)		
7207 17682.55(4)	42.5(17)			7237 17655.13(3)	663(14)		<b>T- 3f-2c (0-0) R4</b>
7208 17682.11(3)	552.8(19)	17682.12	<b>T+ 3f-2c (1-1) R7</b>	7238 17654.93(3)	365(13)	17654.95	
7209 17681.30(3)	393.7(13)	17681.31	<b>T- 3f-2c (1-1) R8</b>	7239 17654.45(5)	20.3(16)		S+ EF-2B (29-6) R1
7210 17679.96(4)	44.9(12)	17680.02	S- 3E-2B (2-8) Q4	7240 17653.21(5)	13.9(14)		
7211 17679.37(5)	19.8(12)			7241 17652.51(3)	94.9(16)	17652.53	S+ EF-2B (29-6) R0
7212 17678.39(3)	46.1(11)	17678.32					
7213 17677.99(5)	20.1(18)			7242 17652.07(4)	47.4(16)		<b>T+ 3f-2c (0-0) Q11</b>
7214 17677.03(3)	75.4(16)			7243 17651.54(4)	110(3)	17651.52	
7215 17676.71(3)	96.5(16)	17676.74		7244 17651.25(5)	45(3)		<b>T- 3f-2c (1-1) R7</b>
7216 17675.70(5)	12.4(9)			7245 17650.68(4)	174(14)	17650.62	
7217 17674.08(3)	56.4(13)	17674.08		7246 17650.50(4)	115(14)		<b>T- 3f-2c (1-1) R7</b>
7218 17673.72(4)	29.8(13)			7247 17649.26(3)	180.4(13)	17649.27	
7219 17673.02(4)	26.4(9)		S+ 3E-2B (2-8) R1	7248 17648.51(4)	28.0(13)		<b>T+ 3c-2a (3-2) P3</b>
7220 17672.48(3)	35.7(9)		S- 3F-2C (3-0) P5	7249 17645.69(2)	67.5(12)	17645.71	
7221 17671.67(3)	51.5(9)	17671.69	<b>T+ 3b-2a (6-1) R5</b>	7250 17643.77(3)	22.4(12)		S- 3E-2B (2-8) Q3
7222 17670.93(3)	130.1(15)		<b>T+ 3d-2c (3-2) Q5</b>	7251 17643.05(3)	30.9(12)		
7223  <b>17670.53(3)</b>	376(10)	17670.52	<b>T+ 3f-2c (0-0) R4</b>	7252 17642.34(2)	86.9(12)	17642.37	
7224 17670.34(4)	76(11)			7253 17641.42(4)	6.6(6)		

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
7254 17640.89(3)	16.9(7)			7284 17622.49(4)	12.3(9)		
7255 17640.47(3)	24.1(9)			7285 17621.87(2)	1071(8)	17621.86	<b>T+ 3f-2c (0-0) R3</b>
7256 17640.10(2)	330.9(10)	17640.13	<b>T+ 3f-2c (1-1) R6</b>	7286 17621.59(5)	36(7)		
7257 17639.65(4)	7.6(7)			7287 17620.19(3)	41.5(9)	17620.19	S- 3E-2B (2-8) Q2
7258 17638.91(2)	66.5(6)			7288 17619.51(2)	94.1(9)	17619.48	<b>T+ 3b-2a (6-1) R6</b>
7259 17638.44(2)	514.7(10)	17638.45	<b>T+ 3c-2a (2-1) P8</b>	7289 17618.55(3)	17.7(9)		
7260 17638.02(4)	8.6(8)			7290 17617.76(2)	732(3)	17617.76	<b>T- 3f-2c (1-1) R6</b>
7261 17636.87(2)	93.0(6)	17636.89		7291 17617.42(3)	49(2)		
7262 17635.75(3)	27.5(6)			7292 17616.55(2)	60.8(9)	17616.58	
7263 17635.22(4)	7.9(6)			7293 17615.70(2)	268.0(9)	17615.70	
7264 17634.18(3)	68(4)	17634.15		7294 17615.10(3)	32.3(9)		
7265 17633.97(3)	40(4)			7295 17614.10(2)	579(3)	17614.07	<b>T- 3f-2c (0-0) R3</b>
7266 17633.39(2)	89.8(16)			7296 17613.78(3)	36(3)		
7267 17633.10(3)	61.1(14)			7297 17612.648(18)	255.6(9)	17612.65	
7268  <b>17632.62(2)</b>	289(7)	17632.58	<b>T+ 3f-2c (0-0) Q10</b>	7298 17611.364(16)	233.6(12)		
7269 17632.42(3)	131(7)			7299 17610.914(18)	101.3(11)		
7270 17631.98(3)	58.7(8)			7300 17610.33(3)	17.6(10)		
7271 17631.57(3)	18.6(7)			7301 17609.80(2)	38.1(9)		S+ GK-2B (3-6) R5
7272 17631.04(2)	63.8(7)			7302 17609.16(3)	19.6(9)		
7273 17630.63(2)	99.0(9)	17630.63		7303 17608.391(18)	91.1(10)	17608.40	
7274 17630.28(3)	20.8(10)			7304 17607.91(4)	13.2(10)		
7275 17629.46(3)	23.3(6)			7305 17607.15(5)	6.8(9)		
7276 17628.94(5)	6.2(6)			7306 17606.50(3)	22.8(13)		
7277  <b>17628.35(2)</b>	408.0(7)	17628.34	<b>T- 3c-2a (3-2) Q7</b>	7307 17606.047(16)	285(2)	17606.07	
7278 17627.75(2)	48.2(7)		S+ EF-2B (29-6) P1	7308 17605.50(3)	45.4(16)		
7279 17627.32(3)	20.9(7)			7309 17605.104(15)	465.0(17)	17605.11	<b>T+ 3c-2a (3-2) P4</b>
7280 17626.92(2)	85.7(8)	17626.93		7310 17604.515(16)	186.6(9)	17604.51	
7281 17625.00(2)	78.2(9)		<b>T+ 3f-2c (2-2) R12</b>	7311 17603.98(3)	23.2(10)		
7282 17623.79(3)	44.8(9)	17623.80	S+ EF-2B (29-6) R4	7312 17603.318(18)	95.6(12)	17603.30	
7283 17623.13(2)	171.9(9)	17623.14		7313 17602.97(2)	39.5(12)		

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
7314 17600.71(2)	25.8(8)			7343 17573.78(5)	24(3)		
7315 17599.43(3)	11.7(8)			7344 17573.45(3)	442(69)		
7316 17598.72(3)	18.9(8)		<b>T+ 3b-2a (6-1) P3</b>	7345 17573.32(3)	1007(52)	17573.36	<b>T- 3f-2c (0-0) R2</b>
7317 17598.19(2)	53.6(9)			7346 17572.71(3)	116.4(19)		
7318 17597.727(15)	898.2(13)	17597.72	<b>T+ 3f-2c (1-1) R5</b>	7347 17572.38(3)	48(2)		
7319 17597.20(3)	13.5(9)			7348 17569.52(3)	60.7(18)		
7320 17596.513(19)	41.1(8)	17596.53	S+ 3E-2B (2-8) P3	7349 17569.13(3)	477(2)	17569.14	<b>T+ 3c-2a (4-3) R2</b>
7321 17595.42(3)	15.9(8)			7350 17568.55(4)	34.9(14)		S+ GK-2B (3-6) R4
7322 17594.800(16)	276.4(10)	17594.80	<b>T+ 3f-2c (2-2) R10</b>	7351 17568.19(3)	37.9(15)		
7323 17592.662(15)	561.0(10)	17592.66	<b>T- 3c-2a (3-2) Q8</b>	7352 17565.07(3)	348(8)	17565.12	<b>T+ 3f-2c (0-0) Q7</b>
7324 17591.43(3)	17.5(8)			7353 17564.87(3)	169(8)		
7325 17590.736(16)	197.8(8)	17590.73	<b>T+ 3c-2a (4-3) R5</b>	7354 17564.24(3)	444.9(12)	17564.20	<b>T- 3f-2c (0-0) Q13</b>
7326 17590.19(5)	16(3)			7355 17563.83(4)	30.0(12)		
7327 17589.94(3)	30(3)			7356 17563.33(3)	202.6(10)	17563.35	<b>T- 3f-2c (0-0) Q14</b>
7328 17588.615(15)	1053(3)	17588.61	<b>T+ 3c-2a (4-3) R4</b>	7357 17562.86(3)	419.9(11)	17562.84	<b>T- 3f-2c (0-0) Q12</b>
			<b>T+ 3f-2c (0-0) Q8</b>	7358 17561.97(3)	91.9(9)	17561.98	
7329 17587.68(4)	28(3)			7359 17559.98(3)	254.0(9)	17559.97	<b>T- 3f-2c (0-0) Q15</b>
7330 17586.683(17)	353(3)			7360 17559.36(2)	652.7(10)	17559.36	<b>T- 3f-2c (0-0) Q11</b>
7331 17585.95(2)	79(3)			7361 17558.78(3)	141.6(10)	17558.77	
7332 17584.628(18)	232(3)	17584.60		7362 17558.19(4)	11.8(9)		S+ GK-2B (4-7) R2
7333 17583.195(16)	458(3)	17583.19	<b>T- 3f-2c (1-1) R5</b>	7363 17556.83(3)	308.1(16)	17556.84	<b>T+ 3c-2a (3-2) P5</b>
7334 17581.317(18)	227(3)	17581.33	<b>T+ 3c-2a (4-3) R3</b>	7364 17556.49(3)	103.1(16)		
7335 17580.52(3)	63(3)			7365 17555.82(3)	599.6(13)	17555.82	<b>T+ 3f-2c (1-1) R4</b>
7336 17578.81(2)	118.2(18)	17578.82		7366 17555.40(3)	35.7(12)		
7337 17576.83(5)	15.4(13)			7367 17554.13(4)	65(5)		
7338 17576.37(3)	792(2)	17576.35	<b>T+ 3f-2c (0-0) R2</b>	7368 17553.85(3)	487(4)	17553.85	<b>T- 3f-2c (0-0) Q10</b>
7339 17575.97(4)	30.7(17)			7369 17553.49(4)	33(3)		
7340 17575.18(3)	149(3)	17575.15	<b>T+ 3f-2c (2-2) R9</b>	7370 17552.90(3)	215.0(15)	17552.85	<b>T- 3c-2a (3-2) Q9</b>
7341 17574.87(3)	90(2)			7371 17552.42(3)	377(17)	17552.43	
7342 17574.42(3)	151.8(12)	17574.42	<b>T+ 3c-2a (2-1) P9</b>	7372 17552.23(3)	270(18)	17552.22	<b>T+ 3c-2a (4-3) R1</b>

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
7373 17551.63(4)	29.7(12)	S- 3F-2B (0-5) Q2	7402 17533.41(5)	28(2)	T+ 3d-2c (4-3) R3 T+ 3c-2a (4-3) R0
7374 17551.03(3)	44.2(12)		7403 17532.68(4)	77.6(11)	
7375 17549.74(4)	58(3)		7404 17530.70(4)	320.5(13)	
7376 17549.45(3)	72(3)	T+ 3d-2c (4-3) R1	7405 17530.21(4)	51.8(12)	
7377 17548.87(4)	22.0(12)		7406 17529.46(4)	46.3(12)	
7378 17548.13(3)	28.5(12)		7407 17528.92(4)	53.9(12)	
7379 17547.44(3)	1149(4)	T- 3f-2c (1-1) R4	7408 17528.41(4)	148.6(13)	17528.34
7380 17547.16(3)	97(4)		7409 17527.89(5)	64.6(18)	
7381 17546.52(2)	1049.1(14)		7410 17527.42(4)	1685(6)	
7382 17545.97(3)	44.1(12)	T- 3f-2c (0-0) Q9	7411 17526.99(4)	362(5)	T- 3f-2c (0-0) Q7 T- 3f-2c (2-2) R7 S+ GK-2B (3-6) R2
7383 17545.40(3)	255.7(12)				
7384 17544.67(3)	514.0(14)				
7385 17544.20(5)	11.9(13)	T+ 3f-2c (2-2) R7	7412 17526.71(7)	35(7)	
7386 17543.54(3)	54.5(12)		7413 17525.99(5)	20.1(11)	
7387 17542.86(3)	48.9(14)		7414 17525.26(5)	21.1(13)	
7388 17542.43(4)	23.0(14)	T+ 3f-2c (0-0) Q6	7415 17524.81(7)	12.6(13)	17524.03
7389 17541.74(3)	1017(17)		7416 17524.06(4)	49.1(11)	
7390 17541.55(3)	218(16)		7417 17520.87(5)	25.1(11)	
7391 17541.05(3)	40.3(14)	S+ GK-2B (3-6) R3	7418 17519.91(4)	757(3)	T+ 3f-2c (0-0) Q5
7392 17539.63(3)	143.5(11)		7419 17519.21(4)	106.8(16)	
7393 17538.81(3)	186.5(11)		7420 17518.82(6)	15.7(17)	
7394 17538.14(5)	27.8(12)	S+ GK-2B (4-7) R1	7421 17516.73(5)	70(4)	T- 3f-2c (0-0) Q6 S+ GK-2B (3-6) R1
7395 17537.63(4)	635.1(16)		7422 17516.32(4)	1059(4)	
7396 17536.93(4)	114.4(10)				
7397 17535.72(4)	35.9(11)	T- 3f-2c (0-0) Q8	7423 17515.78(6)	32(3)	T+ 3f-2c (1-1) R3
7398 17534.99(5)	33.7(19)		7424 17515.15(4)	1519(4)	
7399 17534.56(4)	1758(5)		7425 17514.63(4)	141(3)	
7400 17534.11(4)	307(9)	T+ 3f-2c (0-0) R1	7426 17513.70(6)	36(3)	
7401 17533.85(4)	715(11)		7427 17512.37(4)	129(3)	
			7428 17511.40(4)	426(6)	
		T- 3f-2c (0-0) R1 S+ EF-2B (29-6) P4	7429 17511.08(4)	710(6)	T+ 3f-2c (2-2) R6 T- 3f-2c (1-1) R3

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
7430 17510.50(4)	93(3)	<b>T- 3c-2a (3-2) Q10</b>  <b>T+ 3c-2a (2-1) P10</b>  <b>T- 3f-2c (0-0) Q5</b>	7459 17484.90(3)	143(9)	<b>T+ 3e-2c (0-0) R8</b> <b>T+ 3f-2c (1-1) Q10</b>  <b>T- 3f-2c (0-0) Q3</b>
7431 17509.25(3)	298(3)		7460 17484.331(18)	302.1(13)	
7432 17507.73(3)	58(3)		7461 17483.57(2)	384(15)	
7433 17507.14(2)	203(3)		7462 17483.38(3)	141(14)	
7434 17505.33(2)	229(3)		7463 17482.89(2)	52.7(15)	
7435 17504.633(18)	2054(16)	<b>T+ 3f-2c (0-0) Q4</b> <b>T- 3c-2a (4-3) Q1</b> <b>T- 3f-2c (2-2) R6</b> S- 3E-2B (3-10) Q5	7464 17482.184(17)	1806(3)	<b>T- 3c-2a (4-3) Q3</b> <b>T+ 3f-2c (2-2) R5</b> <b>T+ 3f-2c (1-1) R2</b>
7436 17504.25(3)	351(12)		7465 17481.74(4)	26.7(17)	
7437 17503.79(3)	136(4)		7466 17480.82(2)	61.4(17)	
7438 17503.35(4)	49(4)		7467 17479.63(3)	34.9(17)	
7439 17502.222(18)	473(3)		7468 17479.00(3)	46.1(17)	
7440 17500.712(17)	1594(5)	<b>T- 3f-2c (0-0) Q2</b>  <b>T- 3f-2c (0-0) Q2</b>  <b>T+ 3f-2c (0-0) Q2</b> S+ EF-2B (21-2) R1 <b>T- 3f-2c (0-0) Q2</b>	7469 17477.680(19)	376(6)	<b>T- 3f-2c (1-1) R2</b>
7441 17500.26(2)	259(4)		7470 17477.253(18)	894(6)	
7442 17499.151(18)	749(3)		7471 17476.33(2)	833(3)	
			7472 17475.97(4)	30(3)	
7443 17498.53(3)	67(3)		7473 17475.48(4)	22.1(14)	
7444 17496.67(2)	76.6(13)	<b>T- 3f-2c (0-0) Q4</b> <b>T- 3c-2a (4-3) Q2</b>	7474 17474.85(2)	1512(16)	<b>T+ 3f-2c (0-0) Q2</b> S+ EF-2B (21-2) R1 <b>T- 3f-2c (0-0) Q2</b>
7445 17496.08(2)	50.1(13)		7475 17474.64(3)	232(16)	
7446 17495.072(19)	177.1(14)		7476 17474.08(3)	117.2(14)	
7447 17494.53(2)	257(10)		7477 17473.54(2)	968(14)	
7448 17494.32(2)	189(11)		7478 17473.34(3)	171(14)	
7449 17493.77(3)	31.0(14)	<b>T- 3f-2c (0-0) Q4</b> <b>T- 3c-2a (4-3) Q2</b>	7479 17472.88(2)	644(2)	<b>T+ 3f-2c (0-0) Q2</b> S+ EF-2B (21-2) R1 <b>T- 3f-2c (0-0) Q2</b>
7450 17493.019(17)	1013.9(14)		7480 17472.34(2)	154.7(13)	
7451 17491.174(17)	641.8(16)		7481 17470.75(4)	24.8(17)	
7452 17489.75(3)	25.3(13)		7482 17470.32(3)	225(2)	
7453 17489.20(2)	40.1(13)		7483 17469.94(2)	385(3)	
7454 17488.07(3)	25.4(13)	<b>T+ 3f-2c (0-0) Q2</b>  <b>T- 3f-2c (0-0) Q2</b>	7484 17469.58(2)	500(3)	<b>T+ 3f-2c (0-0) Q2</b> S+ EF-2B (21-2) R2
7455 17487.19(3)	37.1(13)		7485 17469.23(4)	62(3)	
7456 17486.56(4)	12.2(13)		7486 17468.78(2)	181.8(16)	
7457 17485.762(19)	136.2(13)		7487 17467.75(3)	32.0(12)	
7458 17485.121(18)	666(9)		7488 17466.96(3)	32.0(12)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
7489 17462.87(2)	89.0(11)	<b>T+ 3e-2c (0-0) R7</b>	7518 17442.88(2)	645(2)	<b>T+ 3f-2c (2-2) R4</b>
7490 17462.44(2)	699.6(13)		7519 17441.86(3)	76(2)	
7491 17461.80(2)	124.1(8)		7520 17440.99(6)	16(2)	
7492 17460.41(3)	19.8(8)		7521 17440.23(3)	173(2)	
7493 17459.68(2)	796.7(10)	<b>T- 3c-2a (4-3) Q4</b>	7522 17439.65(2)	2433(5)	<b>T+ 3c-2a (4-3) P2</b> S+ GK-2B (6-9) R4
7494 17458.97(4)	71(8)				
7495 17458.75(4)	84(7)				
7496 17458.41(3)	60(2)				
7497 17457.01(3)	23.7(8)	S+ GK-2B (0-4) R1	7523 17439.30(2)	1177(4)	<b>T+ 3f-2c (1-1) R1</b> T+ 3f-2c (1-1) Q7
7498 17456.32(3)	57.4(10)		7524 17438.71(4)	342(51)	
7499 17455.90(3)	88.1(11)		7525 17438.56(3)	859(52)	
7500 17455.49(4)	31.5(15)		7526 17437.98(3)	60(2)	
7501 17454.99(2)	1035(3)	S+ EF-2B (21-2) R3	7527  <b>17437.38(2)</b>	355(2)	<b>T- 3f-2c (2-2) R4</b>
7502 17454.45(6)	18(2)				
7503 17454.14(9)	10(2)				
7504 17453.76(4)	20.1(14)				
7505 17452.89(3)	22.9(8)	S+ GK-2B (0-4) R0	7528 17436.60(3)	91(2)	<b>T- 3c-2a (4-3) Q5</b>
7506 17452.29(3)	35.7(10)		7529 17436.09(2)	389(3)	
7507 17451.91(3)	44.3(10)		7530 17435.70(2)	290(3)	
7508 17451.24(3)	52.6(8)		7531 17434.79(5)	22.7(18)	
7509 17450.51(3)	32.7(18)	S- 3F-2B (2-9) Q4 S+ GK-2B (5-8) R3	7532 17434.07(4)	68.0(14)	<b>T- 3f-2c (1-1) Q11</b> <b>T- 3f-2c (1-1) Q12</b>
7510 17450.20(3)	37.1(18)		7533 17433.45(3)	686.6(15)	
7511 17449.61(3)	43.2(8)		7534  <b>17432.80(3)</b>	286.8(14)	
7512 17447.95(2)	225.5(12)		7535 17431.95(3)	462(5)	
7513 17447.57(3)	66.3(11)	S+ 3E-2B (3-10) R1 S+ GK-2B (4-7) P4	7536  <b>17431.68(4)</b>	164(4)	<b>T- 3f-2c (1-1) Q10</b> S+ GK-2B (5-8) R2
			7537 17431.22(5)	34.7(16)	
			7538 17430.69(4)	97.0(14)	
			7539 17430.08(4)	139(3)	
	17447.95	S+ 3E-2B (3-10) R1 S+ GK-2B (4-7) P4	7540 17429.75(3)	479(3)	<b>T- 3f-2c (1-1) Q13</b>
			7541 17429.12(4)	102.8(14)	
			7542 17428.56(3)	1172.3(15)	
			7543 17427.83(6)	13.8(14)	
7514 17447.15(4)	16.1(10)	S+ GK-2B (0-4) R3	7544 17427.12(4)	36.9(12)	<b>T- 3f-2c (1-1) Q9</b> S+ WW-2B (0-4) R4 S+ GK-2B (6-9) R3
7515 17446.65(2)	186.6(9)		7545 17426.37(5)	17.9(14)	
7516 17445.24(5)	17(2)				
7517 17443.83(4)	32(2)				



Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
7546 17425.94(4)	74(2)		S+ GK-2B (0-4) P1	7574 17408.30(5)	28(2)		
7547 17425.61(4)	57(2)			7575  <b>17406.80(4)</b>	497(26)	17406.74	<b>T- 3f-2c (2-2) R3</b>
7548 17424.80(4)	150(4)			7576 17406.63(4)	230(26)		<b>T- 3f-2c (2-2) R3</b>
7549 17424.42(4)	1343(50)	17424.37	<b>T+ 3f-2c (1-1) Q6</b> <b>T- 3f-2c (1-1) Q14</b>	7577 17405.90(3)	571.3(19)	17405.91	<b>T+ 3f-2c (3-3) R7</b>
				7578 17405.38(4)	55.8(19)		
7550 17424.20(4)	517(42)			7579 17404.62(3)	799.1(19)	17404.61	<b>T+ 3e-2c (0-0) R5</b>
7551 17423.77(4)	136(7)			7580 17403.86(4)	108.1(18)		
7552 17423.53(3)	813(9)	17423.59	<b>T- 3f-2c (1-1) Q8</b> <b>T- 3c-2a (10-8) Q1</b>	7581 17403.07(5)	19.4(18)		
				7582 17402.41(4)	50(2)		S+ GK-2B (0-4) P2 T+ 3c-2a (4-3) P3
7553 17422.21(4)	29.1(15)			7583 17401.92(3)	2443(3)	17401.87	<b>T- 3f-2c (1-1) Q5</b>
7554 17421.83(4)	43.4(15)						
7555 17421.20(4)	41.8(12)		S+ GK-2B (5-8) R1	7584 17401.49(4)	63(2)		
7556 17420.47(5)	22.0(12)			7585 17400.97(5)	20.7(19)		
7557 17419.96(4)	58(2)			7586  <b>17400.36(3)</b>	274.2(19)	17400.39	<b>T- 3f-2c (3-3) R7</b> <b>T- 3c-2a (10-8) Q3</b>
7558 17419.64(3)	409(2)	17419.65	<b>T- 3f-2c (3-3) R8</b>	7587 17399.18(4)	73.0(19)		S+ GK-2B (6-9) R1
7559 17418.70(4)	27.6(12)						
7560 17417.57(4)	47.0(18)			7588 17398.67(5)	28(2)		
7561 17417.17(3)	1754(2)	17417.17	<b>T- 3f-2c (1-1) Q7</b>	7589 17398.12(3)	1837(22)	17398.11	<b>T+ 3f-2c (1-1) Q4</b>
7562 17416.58(4)	23.3(12)			7590 17397.93(4)	332(22)		
7563 17416.05(3)	234.5(12)	17416.09		7591 17397.43(6)	17(2)		
7564 17415.56(3)	238.6(12)	17415.53		7592 17396.59(4)	63.4(19)		
7565 17414.45(5)	17.5(12)			7593 17395.39(4)	31.8(13)		S- 3F-2B (2-9) Q3
7566  <b>17413.83(4)</b>	26.6(12)		<b>T- 3c-2a (10-8) Q2</b>	7594 17394.70(4)	38.5(13)		
7567 17412.05(4)	47.4(19)			7595 17394.02(3)	1147.5(18)	17394.03	<b>T- 3f-2c (1-1) Q4</b>
7568 17411.53(4)	36.5(19)		S+ GK-2B (6-9) R2	7596 17393.54(6)	12.6(15)		
7569  <b>17410.75(3)</b>	788(2)	17410.75	<b>T- 3c-2a (4-3) Q6</b>	7597 17391.54(3)	66.0(13)	17391.57	
7570 17410.36(3)	904(2)	17410.37	<b>T+ 3f-2c (1-1) Q5</b>	7598 17390.79(3)	78.1(13)	17390.85	
7571 17409.84(3)	1050(2)	17409.83	<b>T- 3f-2c (1-1) Q6</b>	7599 17390.12(3)	56.1(13)		
7572 17409.35(5)	29(2)			7600 17388.66(3)	204.9(14)	17388.71	
7573 17408.75(3)	1431(2)	17408.75	<b>T+ 3f-2c (2-2) R3</b>	7601 17388.16(3)	900(3)	17388.12	<b>T+ 3f-2c (1-1) Q3</b>

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
7602 17387.84(3)	160(3)			7631 17368.56(4)	282.8(13)	17368.56	
7603 17387.28(4)	26.4(14)			7632 17367.48(4)	409.0(11)	17367.48	<b>T+ 3e-2c (0-0) R4</b>
7604 17386.63(3)	2000(2)	17386.62	<b>T- 3f-2c (1-1) Q3</b>	7633 17366.66(6)	13.5(11)		
7605 17386.19(4)	32.9(19)			7634 17366.12(6)	10.8(11)		
7606 17385.27(4)	31.9(13)			7635 17365.08(4)	39.9(11)	17365.12	
7607 17383.99(3)	354.3(14)	17383.99		7636 17364.06(4)	723(3)	17364.05	<b>T+ 3f-2c (0-0) P4</b>
7608 17383.36(4)	22.1(14)			7637 17363.65(6)	20(2)		
7609 17382.80(4)	60.6(16)			7638 17362.89(4)	100.4(11)	17362.92	
7610 17382.34(3)	359(8)	17382.31	<b>T+ 3f-2c (0-0) P3</b>	7639 17361.91(5)	19.5(11)		<b>T+ 3b-2a (6-1) P6</b>
7611 17382.09(5)	86(7)			7640 17361.07(4)	562(10)	17361.02	<b>T- 3f-2c (0-0) P4</b>
7612 17381.67(4)	145(3)	17381.62		7641 17360.86(5)	80(10)		<b>S+ GK-2B (7-10) R3</b>
				7642 17360.13(4)	42.0(16)		<b>T+ 3c-2a (4-3) P4</b>
7613 17381.35(4)	81(3)			7643 17359.39(4)	345.2(16)	17359.37	
7614 17380.70(3)	1146(3)	17380.70	<b>T+ 3f-2c (1-1) Q2</b>	7644 17358.19(4)	190.1(18)	17358.19	
7615 17380.39(3)	801(3)	17380.38	<b>T- 3f-2c (1-1) Q2</b>	7645 17357.76(4)	840(2)	17357.75	<b>T+ 3f-2c (3-3) R5</b>
7616 17380.00(3)	281(2)			7646 17356.87(4)	97.8(17)	17356.82	
7617 17379.55(3)	184.4(15)	17379.56		7647 17356.41(4)	58.7(17)	17356.40	
7618  <b>17378.41(3)</b>	709(4)	17378.39	<b>T- 3f-2c (3-3) R6</b>	7648 17355.37(4)	79.0(16)	17355.42	
7619 17378.10(5)	37(4)			7649 17354.20(4)	399.1(16)	17354.28	<b>T- 3f-2c (3-3) R5</b>
7620 17376.52(3)	114.4(15)						<b>S+ GK-2B (6-9) P1</b>
7621 17376.00(4)	36.6(16)			7650 17353.50(4)	50.1(16)	17353.54	
7622 17375.39(3)	914.2(18)	17375.44		7651 17352.57(4)	40.2(16)	17352.55	
7623  <b>17374.67(3)</b>	1600(14)	17374.64	<b>T- 3f-2c (2-2) R2</b>	7652 17350.33(3)	1184(2)	17350.29	<b>T+ 3f-2c (0-0) P5</b>
7624 17374.40(4)	101(12)		<b>S+ 3E-2B (3-10) P3</b>	7653 17349.89(5)	41.4(19)		
7625 17373.56(4)	54.7(15)	17373.56		7654 17345.95(4)	71.9(16)	17346.00	
7626 17372.39(4)	40.6(13)	17372.37	<b>S+ GK-2B (0-4) P3</b>	7655  <b>17345.18(4)</b>	347(2)	17345.15	<b>T- 3c-2a (4-3) Q8</b>
7627 17371.48(6)	11.8(11)						<b>T+ 3f-2c (2-2) Q12</b>
7628 17370.03(6)	10.3(11)			7656 17344.68(9)	8.6(15)		
7629 17369.52(4)	47.4(12)	17369.54		7657 17344.05(4)	482.2(16)	17343.99	<b>S+ GK-2B (5-8) P3</b>
7630 17369.01(7)	10.9(13)			7658 17343.56(4)	336.6(15)	17343.56	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
7659 <b>17342.96(4)</b>	2226(10) 17342.96	<b>T- 3f-2c (2-2) R1</b>	7688 <b>17323.99(2)</b>	746(3) 17324.00	<b>T+ 3e-2c (0-0) R3</b>
7660 17342.61(4)	870(6) 17342.59	<b>T+ 3f-2c (2-2) Q11</b>			S+ GK-2B (6-9) P3
7661 17342.26(4)	395(3) 17342.30		7689 17323.15(6)	24(3)	
7662 17341.90(4)	108(3)		7690 17322.64(4)	39(3)	
7663 17341.40(5)	29.0(15)		7691 17322.01(4)	52(3)	
7664 17340.73(4)	625.3(16) 17340.69	<b>T+ 3f-2c (0-0) P6</b>	7692 17320.93(2)	713(3) 17320.94	<b>T+ 3f-2c (0-0) P11</b>
7665 17340.17(5)	22.0(14)		7693 17320.08(5)	24(3)	
7666 17339.40(4)	62.0(14) 17339.41		7694 17317.80(2)	617(3) 17317.82	<b>T+ 3f-2c (2-2) Q7</b>
7667 17338.81(6)	12.5(14)	S+ GK-2B (6-9) P2	7695 17316.83(3)	77(3) 17316.80	
7668 17338.09(4)	498.7(19) 17338.07		7696 17316.20(3)	267(3) 17316.21	<b>T+ 3f-2c (0-0) P12</b>
7669 17337.66(4)	142.9(19)		7697 17315.39(3)	85(3) 17315.34	<b>T+ 3c-2a (4-3) P5</b>
7670 17337.21(5)	134(14)		7698 17313.08(3)	155(3) 17313.07	<b>T+ 3f-2c (0-0) P13</b>
7671 17337.01(4)	160(15) 17337.08		7699 <b>17309.97(3)</b>	1362(23) 17309.93	<b>T+ 3f-2c (2-2) Q6</b>
7672 17335.92(5)	29.6(14)				
7673 17335.19(5)	28.3(14)	S+ GK-2B (0-4) P4	7700 17309.77(4)	187(23)	
7674 17334.38(3)	1300(2) 17334.37	<b>T+ 3f-2c (0-0) P7</b>	7701 17309.10(2)	446(3) 17309.10	<b>T- 3f-2c (0-0) P7</b>
7675 17333.91(6)	19.5(17)		7702 17308.54(2)	506(3) 17308.53	
7676 17332.51(3)	362.5(15) 17332.53	<b>T+ 3f-2c (2-2) Q9</b>	7703 17308.05(2)	1039(3) 17308.04	<b>T- 3f-2c (2-2) Q8</b>
7677 17330.20(2)	1052.7(17) 17330.17		7704 17307.40(2)	650(3) 17307.40	<b>T- 3f-2c (2-2) Q10</b>
7678 17329.41(3)	58.3(15)		7705 17306.82(3)	438(3)	
7679 17328.71(4)	19(2)		7706 17306.36(3)	167(3)	<b>T- 3f-2c (2-2) Q7</b>
7680 <b>17328.17(2)</b>	998(4) 17328.16	<b>T- 3f-2c (3-3) R4</b>	7707 17305.26(2)	1531(3) 17305.25	
7681 17327.83(3)	264(4)		7708 17304.60(3)	84(3)	
7682 17327.25(2)	1150(3) 17327.30	<b>T+ 3f-2c (0-0) P9</b>	7709 17303.89(6)	20(3)	<b>T+ 3e-2c (1-1) R7</b>
		S 3A-2B (2-10) R5	7710 <b>17303.37(2)</b>	1323(3) 17303.37	
7683 17326.70(3)	62.3(16)		7711 17302.79(3)	205(7)	<b>T+ 3f-2c (2-2) Q5</b>
7684 17325.82(3)	423(9)		7712 17302.47(3)	858(6) 17302.47	
7685 17325.52(3)	933(7) 17325.55	<b>T+ 3f-2c (2-2) Q8</b>	7713 17301.99(3)	824(30)	
7686 17325.13(2)	1004(5) 17325.17		7714 17301.80(3)	1248(32) 17301.81	
7687 17324.44(2)	526(3)		7715 17300.98(4)	349(53)	<b>T- 3f-2c (3-3) R3</b>

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
7716 17300.82(4)	277(53)	<b>T- 3f-2c (3-3) R3</b> S+ 3E-2C (3-0) R1	7744 17281.29(4)	43.6(12)	<b>T+ 3f-2c (0-0) P16</b>
7717 17299.87(3)	140(2)		7745 17280.69(3)	66.9(12)	
7718 17298.52(4)	68.8(17)	<b>T- 3f-2c (2-2) Q5</b>	7746 17279.30(3)	118.8(12)	17279.31
7719 17297.95(3)	1977(3)		7747 17278.42(3)	246(4)	
7720 17297.44(3)	285.9(19)	<b>T+ 3f-2c (2-2) Q4</b>	7748 17278.14(4)	69(4)	17278.46
7721 17296.75(5)	56(5)		7749 17277.65(4)	48.3(14)	
7722 17296.46(4)	97(4)	<b>T- 3f-2c (2-2) Q3</b>	7750 17276.86(5)	28(3)	<b>T+ 3e-2c (1-1) R6</b> S- 3E-2C (3-0) R1
7723 17295.80(3)	1627(88)		7751 17276.54(4)	145(2)	
7724 17295.64(5)	324(81)	<b>T- 3f-2c (2-2) Q4</b> S+ EF-2B (21-2) P5	7752  <b>17276.12(3)</b>	475(3)	<b>T- 3f-2c (0-0) P9</b>
7725 17294.08(5)	29(2)		7753 17275.77(3)	333(5)	
7726 17293.61(3)	988(4)	<b>T+ 3f-2c (1-1) P3</b>	7754 17275.51(3)	296(7)	<b>T+ 3e-2c (0-0) R2</b>
7727 17293.15(6)	24(2)		7755 17274.71(5)	16.3(13)	
7728  <b>17292.47(3)</b>	360(3)	<b>T- 3f-2c (0-0) P8</b> S+ GK-2B (6-9) P5	7756  <b>17274.24(3)</b>	268(3)	17274.20
7729 17292.09(3)	1258(4)		7757 17273.82(4)	143(3)	
7730 17291.58(4)	58.6(18)	<b>T+ 3f-2c (2-2) Q3</b> S+ GK-2B (0-4) P5	7758 17273.13(3)	652(9)	<b>T+ 3f-2c (3-3) R2</b>
7731 17290.22(3)	790(3)		7759 17272.84(3)	1159(10)	
7732 17289.79(4)	126(4)	<b>T- 3f-2c (2-2) Q3</b>	7760 17271.75(4)	41(2)	<b>T+ 3f-2c (1-1) P4</b> <b>T- 3f-2c (1-1) P4</b>
7733  <b>17289.41(3)</b>	1658(29)		7761 17271.12(3)	386(3)	
7734 17289.16(6)	77(21)	<b>T- 3f-2c (2-2) Q2</b>	7762 17269.64(3)	599(8)	<b>T- 3f-2c (4-4) R7</b>
7735 17288.63(3)	357.8(16)		7763 17269.45(3)	318(8)	
7736 17287.79(4)	31.6(12)	<b>T- 3f-2c (2-2) Q2</b>	7764 17268.80(3)	66.0(9)	17267.63
7737  <b>17285.97(3)</b>	995(13)		7765  <b>17267.62(2)</b>	190.8(9)	
7738 17285.77(3)	757(12)	<b>T- 3f-2c (4-4) R9</b>	7766 17266.49(5)	22(5)	17264.05
7739 17285.25(3)	63.1(14)		7767 17266.24(5)	36(4)	
7740  <b>17284.70(3)</b>	128.8(12)	17284.76	7768 17265.86(6)	15.3(16)	<b>T+ 3f-2c (0-0) P17</b>
7741 17284.04(5)	15.3(14)		7769 17265.48(4)	21.7(14)	
7742 17283.60(4)	50.6(14)	17283.59	7770 17264.79(3)	32.1(9)	<b>T+ 3c-2a (4-3) P6</b>
7743 17282.93(3)	60.8(12)		7771 17264.05(3)	154.1(16)	
			7772 17263.73(3)	162.2(16)	
			7773 17262.89(2)	358.4(19)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
7774 17262.49(4)	20.3(14)			7804 17245.94(6)	35(3)		
7775 17261.20(3)	30.3(9)			7805 17245.64(4)	49(2)		S + 3E-2B (0-5) R1
7776 17260.66(2)	175.9(9)	17260.69		7806 17245.31(4)	32.5(17)		
7777 17259.43(4)	10.5(9)			7807 17244.95(3)	39.1(11)		
7778 17258.86(3)	222(2)	17258.83		7808 17244.44(2)	2128(5)	17244.41	T- 3f-2c (3-3) R1
7779 17258.52(3)	612(4)	17258.50	<b>T- 3f-2c (0-0) P10</b>	7809 17244.08(3)	577(21)		
7780 17258.27(3)	92(5)			7810 17243.90(3)	823(20)	17243.95	
7781 17257.65(3)	36.8(9)			7811 17243.58(3)	150(3)		
7782 17256.74(3)	36.9(9)			7812 17243.19(4)	55(4)		
7783 17256.24(4)	14.8(9)			7813 17242.94(6)	25(4)		
7784  <b>17255.46(3)</b>	150.1(10)	17255.48	<b>T- 3c-2a (5-4) Q1</b>	7814 17242.55(6)	10.5(11)		
7785 17255.09(4)	22.3(9)			7815 17242.19(5)	9.6(11)		
7786 17254.68(3)	37.7(9)			7816 17241.43(3)	41.7(11)		
7787 17253.83(4)	36(6)			7817 17240.87(3)	272(4)	17240.85	<b>T- 3f-2c (0-0) P11</b>
7788 17253.64(7)	18(6)			7818 17240.61(4)	70(4)		
7789 17253.11(3)	470(6)	17253.14	<b>T- 3f-2c (4-4) R6</b>	7819 17240.06(3)	45.2(11)		
7790 17252.87(4)	127(6)			7820 17239.51(2)	530.2(15)	17239.51	
7791 17252.64(2)	1161(9)	17252.65	<b>T+ 3f-2c (1-1) P5</b>	7821 17237.60(3)	33.3(11)		S+ GK-2B (0-4) P6
7792 17252.23(4)	15.3(11)			7822 17237.04(2)	729.5(14)	17237.02	<b>T+ 3f-2c (1-1) P6</b>
7793 17250.84(3)	41.0(8)			7823 17235.43(2)	320.6(11)	17235.42	<b>T- 3f-2c (4-4) R5</b>
7794 17250.13(3)	34.9(8)			7824 17234.75(3)	59.9(10)		
7795 17249.62(3)	57(3)			7825  <b>17233.44(3)</b>	189.4(14)	17233.44	<b>T- 3c-2a (5-4) Q3</b>
7796 17249.34(5)	55(5)			7826 17232.86(4)	21.2(12)		
7797 17249.12(4)	54(7)			7827 17232.40(4)	26.7(12)		
7798  <b>17248.64(3)</b>	388(11)	17248.61	<b>T- 3f-2c (1-1) P5</b>	7828 17231.66(3)	49.5(11)		
7799 17248.48(3)	155(12)			7829 17231.11(5)	18.6(16)		
7800 17247.95(18)	1.2(8)			7830 17230.73(4)	29.1(15)		
7801 17247.37(3)	67.9(8)			7831 17230.19(3)	50.7(11)		<b>T+ 3b-2a (4-0) R2</b>
7802  <b>17246.64(2)</b>	367.2(17)	17246.64	<b>T- 3c-2a (5-4) Q2</b>				S+ GK-2B (7-10) P3
7803 17246.21(3)	79(4)			7832 17229.63(7)	35(14)		<b>T+ 3b-2a (4-0) R1</b>

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
7833 17229.45(3)	135(14)	<b>T- 3f-2c (1-1) P6</b> S- 3E-2C (3-0) Q1 T+ 3e-2c (0-0) Q7 S+ EF-2B (32-8) R2	7861 17214.04(3)	130(11)	<b>T+ 3e-2c (0-0) Q10</b>
7834 17228.61(2)	1092(2)		7862 17213.34(3)	60.4(14)	
7835 17228.27(2)	470(2)		7863 17212.96(4)	19.7(14)	
7836 17227.66(3)	128.6(11)	<b>T+ 3e-2c (0-0) Q8</b>	7864 17212.43(2)	691.3(15)	<b>T+ 3f-2c (1-1) P8</b>
7837 17227.08(3)	804(13)		7865 17211.51(5)	9.3(11)	
7838 17226.89(4)	102(13)		7866 17210.44(2)	124.1(11)	
7839 17225.50(3)	170(3)	<b>T+ 3e-2c (0-0) Q6</b>	7867 17209.77(2)	270.5(11)	<b>T- 3f-2c (1-1) P7</b>
7840 17225.11(2)	855(5)		7868 17209.24(2)	596(3)	
7841 17224.77(4)	95(4)		7869 17208.88(3)	198(15)	
7842 17224.39(4)	69(3)	<b>T+ 3e-2c (0-0) Q9</b>	7870 17208.69(5)	60(17)	<b>T+ 3b-2a (9-3) R2</b>
7843 17223.78(2)	1556(4)		7871 17208.15(3)	35.6(11)	
7844 17223.37(4)	47(3)		7872 17207.27(2)	101.2(11)	
7845 17222.72(3)	71(3)	<b>T+ 3f-2c (1-1) P7</b>	7873 17206.62(2)	517(4)	<b>T+ 3e-2c (1-1) R4</b>
7846 17222.32(3)	628(25)		7874 17205.93(4)	19.1(11)	
7847 17222.13(3)	271(27)		7875 17203.49(2)	329(3)	
7848 17221.35(3)	27.3(10)	<b>T+ 3b-2a (9-3) R1</b>	7876 17202.87(2)	597(4)	<b>T+ 3e-2c (0-0) Q11</b> <b>T+ 3e-2c (0-0) Q4</b> <b>T+ 3f-2c (1-1) P9</b>
7849 17219.80(4)	44(5)		7877 17202.20(2)	1319(4)	
7850 17219.56(2)	685(5)		7878 17201.42(5)	37(3)	
7851 17219.03(2)	482.2(12)	<b>T+ 3b-2a (9-3) R0</b> <b>T+ 3e-2c (0-0) R1</b>	7879 17200.91(6)	75(19)	<b>T- 3f-2c (2-2) P3</b>
7852 17218.55(2)	375.2(11)		7880 17200.65(3)	657(13)	
7853 17217.94(3)	29.6(12)		7881 17200.33(3)	185(10)	
7854 17217.51(2)	120.0(12)	<b>T+ 3e-2c (0-0) Q5</b>	7882 17199.20(7)	15(3)	<b>T+ 3f-2c (3-3) Q7</b>
7855 17216.86(2)	313(4)		7883 17198.54(4)	43(3)	
7856 17216.62(3)	63(4)		7884 17197.85(10)	10(3)	
7857 17215.86(2)	484.8(11)	<b>T- 3c-2a (5-4) Q4</b> <b>T- 3f-2c (4-4) R4</b>	7885 17197.30(3)	555(4)	<b>T+ 3f-2c (3-3) Q6</b>
7858 17215.17(2)	836(3)		7886 17196.87(3)	568(4)	
7859 17214.88(4)	37(3)		7887 17196.36(2)	1376(4)	
7860 17214.23(2)	675(11)	<b>T+ 3e-2c (0-0) Q10</b>	7888 17195.98(5)	40(4)	<b>T+ 3f-2c (3-3) Q5</b>
			7889 17195.35(5)	30(3)	
			7890 17194.63(2)	1412(3)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
7891 17194.13(3)	249(3)	17194.13	<b>T- 3c-2a (5-4) Q5</b>	7920 17176.41(2)	986.6(17)	17176.42	<b>T- 3f-2c (2-2) P4</b>
7892 17193.54(4)	44(3)			7921 17175.84(3)	48.8(17)		
7893 17192.98(3)	341(26)			7922 17175.35(3)	112(2)		
7894 <b>17192.76(3)</b>	1871(25)	17192.74		7923 17174.94(2)	1148(3)	17174.95	<b>T- 3e-2c (0-0) R5</b>
7895 17192.26(2)	2986(4)	17192.24	<b>T+ 3f-2c (1-1) P10</b>	7924 17174.47(3)	1742(44)	17174.41	
7896 17191.59(2)	1122(3)	17191.59	<b>T- 3f-2c (3-3) Q4</b>	7925 17174.31(3)	416(45)		<b>T- 3e-2c (0-0) R4</b>
7897 17190.97(2)	2114(3)	17190.98	<b>T- 3f-2c (3-3) Q7</b>	7926 17173.76(3)	53.2(17)		
7898 17190.44(2)	1876(4)	17190.47	<b>T- 3f-2c (3-3) Q3</b>	7927 17173.05(3)	60.3(16)		<b>T- 3e-2c (0-0) R6</b>
7899 <b>17190.02(2)</b>	1272(4)	17190.05	<b>T- 3f-2c (1-1) P8</b>	7928 17172.49(2)	2101(6)	17172.45	
7900 17189.52(3)	838(23)		<b>T- 3f-2c (3-3) Q2</b>	7929 17170.86(3)	262(14)		<b>T- 3f-2c (1-1) P9</b>
7901 <b>17189.29(3)</b>	1768(172)			7930 17170.54(3)	1332(14)	17170.53	
7902 17188.83(5)	45(4)		<b>T- 3f-2c (3-3) Q8</b>				<b>T- 3e-2c (0-0) R3</b>
7903 17188.21(2)	596(4)	17188.23					
7904 17187.77(3)	94(2)		S+ 3E-2B (4-12) R1 S- 3E-2B (0-5) Q3	7931 17169.11(3)	1114(49)		<b>T- 3f-2c (4-4) R2</b>
7905 17186.35(3)	76.3(16)			7932 17168.90(4)	515(49)		
				7933 17168.12(3)	415(6)	17168.17	<b>T- 3c-2a (5-4) Q6</b>
7906 17185.86(3)	96.7(19)			7934 17167.44(3)	909(6)	17167.42	
7907 17185.46(5)	20.7(19)						<b>T- 3e-2c (0-0) R7</b>
7908 17184.38(4)	31.2(15)						
7909 17183.80(3)	317(6)						S- 3E-2C (3-0) P2
7910 17183.48(2)	929(9)	17183.52					
7911 <b>17182.98(3)</b>	93.7(18)		<b>T- 3f-2c (3-3) Q9</b> <b>T+ 3e-2c (0-0) Q3</b>	7935 17166.75(3)	448(8)	17166.75	<b>T+ 3e-2c (1-1) R3</b>
7912 17182.43(3)	212(4)			7936 17166.35(3)	492(8)	17166.35	
7913 <b>17182.11(2)</b>	1027(4)	17182.10	<b>T- 3f-2c (0-0) P14</b>	7937 17164.37(2)	1064(6)	17164.38	<b>T- 3e-2c (0-0) R2</b>
7914 17181.63(3)	158(4)		<b>T+ 3b-2a (9-3) R3</b>	7938 17163.53(4)	98(6)		
7915 17181.32(6)	21(4)			7939 17162.60(2)	1457(6)	17162.59	<b>T- 3f-2c (0-0) P15</b>
7916 17180.49(3)	40.0(15)		S 3A-2B (3-12) R2	7940 17161.79(5)	55(6)		
7917 17179.23(11)	4.2(15)			7941 17160.59(3)	162(6)	17160.60	<b>T- 3e-2c (0-0) R8</b>
7918 17177.69(9)	5.6(15)			7942 17159.96(2)	1485(6)	17159.96	
				7943 17159.24(3)	470(6)	17159.26	<b>T+ 3f-2c (1-1) P13</b>
7919 <b>17177.06(2)</b>	415.8(15)	17177.06	<b>T+ 3f-2c (2-2) P4</b>	7944 17157.51(3)	45.0(19)		
				7945 17156.90(2)	379(3)	17156.87	
				7946 17156.56(3)	91(3)		





Table II (Continued).

$K \nu, \text{ cm}^{-1}$	$I, \text{ counts}$	$\nu_R, \text{ cm}^{-1}$	Assignment	$K \nu, \text{ cm}^{-1}$	$I, \text{ counts}$	$\nu_R, \text{ cm}^{-1}$	Assignment
8005 17115.12(3)	32.6(10)			8035 17099.78(3)	103(7)		
8006 17114.45(2)	237.8(15)	17114.44		8036 17099.34(5)	16.9(14)		
8007 17114.07(3)	155(2)			8037 17098.71(4)	22.2(13)		
8008 17113.73(2)	680(2)	17113.74		8038 17098.26(2)	612(2)	17098.24	<b>T+ 3f-2c (2-2) P8</b>
8009 17113.32(2)	278.5(15)			8039 17097.78(3)	42.9(12)		
8010 17112.93(2)	496(3)	17112.89		8040 17097.23(2)	760(2)	17097.23	
8011 17112.63(4)	65(3)			8041 17096.89(2)	266(2)	17096.91	
8012 17112.24(3)	49.0(16)			8042 17096.28(3)	34.5(10)		
8013 17111.61(2)	165.4(10)	17111.62		8043 17095.82(4)	23.0(10)		S+ EF-2B (32-8) P5
8014 17111.15(3)	37.2(11)			8044 17095.15(2)	599.8(14)	17095.15	
8015 17110.75(3)	115.1(12)	17110.76		8045 17094.74(3)	132.7(13)		
8016 17110.09(4)	18.5(10)			8046 17094.22(2)	109.0(10)	17094.25	
8017 17109.54(2)	1099(11)	17109.51	<b>T- 3e-2c (0-0) R12</b>	8047 17092.165(15)	253.3(19)	17092.18	<b>T- 3e-2c (0-0) R13</b>
8018 17109.35(4)	93(11)			8048 17091.75(4)	22.4(18)		
8019 17108.84(2)	164.5(12)	17108.88		8049  <b>17091.063(15)</b>	1078(13)	17091.06	<b>T- 3f-2c (4-4) Q2</b>
8020 17108.41(2)	1149(2)	17108.40	<b>T- 3f-2c (2-2) P7</b>	8050 17090.87(3)	124(13)		
8021 17108.05(3)	89.7(19)			8051 17090.21(3)	31.3(16)		
8022 17107.64(3)	52.1(13)			8052  <b>17089.599(14)</b>	1772(2)	17089.61	<b>T- 3f-2c (4-4) Q3</b>
8023 17107.12(2)	411.0(10)	17107.09	<b>T- 3f-2c (3-3) P3</b>	8053 17089.11(2)	135(4)		T- 3e-2c (0-0) Q2
8024 17106.60(3)	48(2)			8054 17088.69(2)	52.5(19)		
8025 17106.31(2)	269(2)	17106.30		8055 17088.06(3)	256(45)		
8026 17105.55(3)	28.0(9)			8056 17087.959(14)	847(3)	17087.97	
8027 17104.72(3)	34.4(10)			8057 17087.354(14)	683(3)	17087.35	
8028 17104.14(2)	243.4(13)	17104.13	<b>T- 3c-2a (5-4) Q8</b>	8058 17086.756(15)	358(3)	17086.76	
8029 17103.26(3)	23.3(9)			8059 17086.058(14)	1097(3)		
8030 17101.99(3)	39.2(10)			8060 17085.596(16)	258(3)		
8031 17101.47(2)	807(3)	17101.49	<b>T- 3e-2c (0-0) Q1</b>	8061 17084.805(16)	224(3)	17084.78	<b>T- 3f-2c (4-4) Q4</b>
8032 17101.16(3)	110(3)			8062 17084.263(18)	298(7)		
8033 17100.51(4)	14.1(11)			8063 17083.950(14)	2743(7)		
8034 17100.00(3)	170(8)	17099.96		8064 17083.40(3)	39(3)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
8065 17081.948(18)	159(3)						
8066  <b>17081.510(15)</b>	714(3)	17081.51		8095 17063.37(2)	488(3)		<b>T+ 3b-2a (7-2) R0</b>
8067 17081.085(14)	1702(3)	17081.06	T- 3f-2c (3-3) P4	8096 17063.08(2)	291(4)		
8068 17080.241(15)	368(3)	17080.24	T+ 3f-2c (2-2) P9	8097 17062.68(2)	536.0(16)		
8069 17078.968(14)	977(3)	17078.99	<b>T- 3f-2c (4-4) Q6</b>	8098 17062.31(2)	781.1(18)	17062.32	
8070 17077.48(3)	37(3)			8099 17061.91(2)	533.6(14)	17061.90	<b>T+ 3e-2c (0-0) P4</b>
8071 17076.142(14)	859(3)	17076.15	<b>T+ 3e-2c (1-1) Q8</b>	8100 17061.49(2)	354(4)		
8072 17075.504(15)	466(3)	17075.52	<b>T+ 3e-2c (1-1) Q7</b>	8101 17061.17(3)	354(11)	17061.17	<b>T+ 3e-2c (1-1) Q5</b>
8073 17074.48(3)	49(3)			8102 17060.98(5)	43(15)		
8074 17073.43(4)	19.3(16)			8103  <b>17059.54(2)</b>	360.2(14)	17059.54	<b>T+ 3e-2c (2-2) R7</b>
8075 17072.949(16)	683(13)			8104 17059.02(7)	14(3)		
8076 17072.75(3)	128(13)			8105 17058.73(3)	73(3)		
8077 17072.151(14)	1633.1(18)	17072.15	<b>T- 3f-2c (4-4) Q7</b>	8106 17058.23(2)	63.6(9)		
8078 17071.59(3)	36.0(18)			8107 17057.24(7)	7.4(14)		
8079 17071.21(2)	55.8(18)			8108  <b>17056.842(19)</b>	831.1(19)	17056.85	<b>T+ 3f-2c (3-3) P5</b>
8080 17070.638(15)	745(13)			8109 17056.13(2)	606(4)	17056.12	<b>T- 3f-2c (3-3) P5</b>
8081 17070.44(2)	177(13)			8110 17055.88(4)	32(4)		
8082 17069.581(14)	395.6(15)	17069.58	<b>T+ 3e-2c (0-0) P2</b>	8111 17054.63(3)	21.2(12)		
8083 17069.057(14)	558(4)	17069.05	<b>T+ 3e-2c (1-1) R1</b>	8112 17053.97(2)	80.5(15)		
8084 17068.68(2)	72(3)			8113 17053.59(2)	428.9(15)	17053.61	
8085 17067.97(2)	32.6(11)			8114 17053.02(2)	56.2(12)		
8086 17067.26(2)	127.1(11)			8115 17052.401(19)	804.7(14)	17052.41	<b>T+ 3e-2c (0-0) P5</b>
8087 17066.823(19)	1077.0(18)	17066.79	<b>T+ 3e-2c (0-0) P3</b>	8116 17051.93(2)	164.5(12)		
8088 17066.28(3)	150(22)			8117 17051.01(2)	377.4(12)	17051.01	
8089 17066.10(2)	578(20)	17066.13	<b>T- 3c-2a (5-4) Q9</b>	8118 17050.34(2)	529.4(12)	17050.33	
8090 17065.75(3)	86(3)		<b>T+ 3b-2a (7-2) R2</b>	8119 17048.31(2)	185.6(12)	17048.35	
8091 17064.90(2)	165(4)	17064.89		8120 17047.46(2)	232(7)		
8092 17064.50(7)	36(6)		S 3A-2C (2-0) R3	8121 17047.25(3)	160(7)		
8093 17064.18(2)	957(11)	17064.18	<b>T+ 3f-2c (2-2) P10</b>	8122 17046.638(19)	813.9(16)	17046.65	
8094 17063.74(3)	112.9(19)		<b>T- 3f-2c (4-4) Q8</b>	8123 17044.07(3)	43.9(12)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
8124 17043.49(2)	388(3)	17043.48	<b>T- 3f-2c (5-5) R1</b>	8153 17024.01(3)	60(3)		<b>T- 3e-2c (0-0) Q5</b>
8125 17043.19(4)	32(3)			8154 17023.27(3)	68(3)		
8126 17041.91(2)	986(9)	17041.89		8155 17022.54(3)	137(3)		
8127 17041.65(2)	179(7)			8156 17021.56(2)	1170(4)	17021.60	
8128 17040.94(2)	740(13)						
8129  <b>17040.47(2)</b>	567(2)	17040.48	<b>T- 3e-2c (0-0) P2</b>	8157 17021.10(3)	78(4)		<b>T- 3e-2c (1-1) R3</b>
8130 17040.08(2)	569(20)			8158 17019.73(2)	1137(15)	17019.71	
8131 17039.88(2)	649(18)			8159 17019.52(4)	118(15)		
8132 17039.57(4)	46(5)			8160 17017.73(2)	534(2)	17017.76	
8133 17037.64(2)	274(3)	17037.60		8161 17017.25(3)	76(2)		
8134 17036.38(3)	84(5)		<b>T+ 3e-2c (0-0) P6</b>	8162 17015.61(2)	364(2)	17015.62	<b>T+ 3e-2c (0-0) P7</b> <b>T- 3c-2a (6-5) Q1</b>
8135 17035.99(4)	131(6)			8163 17014.88(2)	1906(14)	17014.87	
8136 17035.67(3)	119(7)			8164 17014.65(3)	184(13)		
8137 17034.99(2)	155(3)			8165 17014.15(4)	71(4)		
8138 17034.33(2)	167(3)			8166 17013.84(2)	404(5)	17013.84	
8139 17033.82(3)	108(3)		<b>T- 3f-2c (2-2) P10</b> S 3A-2C (2-0) R4	8167 17012.43(4)	26(2)		<b>T- 3f-2c (4-4) P3</b>
				8168 17011.69(2)	1076(3)		
8140 17033.35(7)	20(3)			8169 17011.22(2)	213(2)		
8141  <b>17032.72(2)</b>	446(3)	17032.69		8170 17010.37(2)	1846(13)	17010.36	
8142 17032.11(2)	204(3)	17032.11		8171 17010.15(3)	281(13)		
8143 17030.90(2)	785(3)	17030.89	<b>T- 3f-2c (3-3) P6</b> T+ 3f-2c (3-3) P6	8172 17009.56(3)	39(2)		S 3A-2C (2-0) Q2 <b>T+ 3f-2c (3-3) P7</b> <b>T- 3c-2a (6-5) Q2</b>
8144 17029.83(4)	48(3)			8173 17008.97(2)	1410(4)	17008.96	
8145 17029.14(2)	283(4)	17029.13		8174 17008.59(2)	251(3)		
8146 17028.73(2)	387(4)	17028.73		8175 17008.20(2)	225(3)	17008.16	
8147 17028.31(3)	131(4)	17028.34		8176 17007.45(3)	96(3)		
8148 17026.98(2)	1416(4)	17026.97	<b>T- 3e-2c (1-1) R5</b>	8177 17007.07(3)	62(3)		<b>T- 3e-2c (1-1) R9</b> <b>T- 3f-2c (3-3) P7</b>
8149 17026.53(3)	112(4)			8178 17006.42(2)	96.1(7)		
8150 17025.69(2)	2673(4)	17025.71		8179 17005.82(2)	756(2)	17005.79	
8151  <b>17025.12(2)</b>	2840(10)	17025.11		8180 17005.52(2)	472(2)		
8152 17024.82(3)	301(10)			8181 17004.97(2)	473.3(18)	17004.99	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8182 17004.53(2)	155.0(10)		8210 16989.36(3)	51(5)	
8183 17004.08(4)	14.5(9)		8211 16988.27(2)	75.8(14)	16988.23
8184 17003.67(2)	86.2(9)		8212 16987.47(2)	173.0(14)	16987.45
8185 17003.11(3)	24.4(9)		8213 16986.47(3)	84(4)	
8186 17002.72(3)	43.2(9)		8214 16986.15(2)	386(3)	16986.15
8187 17001.32(4)	9.8(8)		8215 16985.58(2)	735(4)	16985.58
8188 16999.81(3)	69(3)		8216  <b>16985.11(2)</b>	499(4)	16985.11
8189 16999.54(3)	48(3)		8217 16984.45(2)	700(3)	
8190 16998.91(2)	45.8(9)	<b>T+ 3b-2a (9-3) P4</b>	8218 16984.10(2)	268(3)	
8191 16998.49(3)	36.4(9)		8219 16983.43(2)	73.2(15)	
8192 16997.81(2)	405.4(17)	<b>T- 3e-2c (0-0) P3</b>	8220 16982.93(2)	165.1(15)	16982.93
8193 16997.45(2)	153.2(19)	<b>T+ 3a-2c (3-3) R3</b>	8221 16982.36(4)	24.8(15)	
8194 16997.15(4)	26(2)		8222 16981.79(2)	290.1(15)	16981.77
8195 16996.57(2)	526(3)	<b>T- 3e-2c (1-1) R1</b>	8223 16981.16(2)	442.6(18)	16981.15
		S 3A-2C (2-0) P1	8224 16980.73(2)	180.6(17)	
8196 16996.31(2)	216(3)		8225 16980.18(3)	44(2)	
8197  <b>16995.75(2)</b>	233.7(9)	<b>T- 3e-2c (0-0) Q6</b>	8226 16979.706(19)	2038(4)	16979.68
8198 16995.04(3)	34.3(9)				
8199 16994.54(2)	1144(11)	<b>T- 3e-2c (1-1) R10</b>	8227 16979.30(3)	82(3)	
8200 16994.33(3)	129(11)		8228  <b>16978.66(2)</b>	451(6)	16978.67
8201 16993.91(5)	16.1(12)		8229 16978.36(2)	399(4)	16978.39
8202 16993.50(2)	131.6(11)	<b>T+ 3e-2c (0-0) P8</b>	8230 16977.96(2)	278(2)	16977.98
8203 16992.97(2)	65.2(8)		8231 16977.45(4)	20.4(16)	
8204  <b>16991.82(2)</b>	93.3(9)	<b>T+ 3a-2c (2-2) R1</b>	8232 16976.70(2)	150.5(17)	16976.71
8205 16991.33(3)	29.1(9)		8233 16976.25(4)	29.4(17)	
8206 16990.74(2)	480(9)	<b>T+ 3e-2c (1-1) Q1</b> <b>T- 3f-2c (5-5) Q2</b>	8234 16975.68(2)	97.8(15)	
			8235 16974.68(2)	109.3(14)	
8207 16990.56(2)	287(9)		8236 16973.390(19)	1011(2)	16973.39
8208 16989.990(19)	669.9(18)		8237 16972.87(3)	21.9(14)	
8209 16989.59(2)	212(4)		8238 16971.99(2)	106.9(14)	

**T+ 3f-2c (3-3) P8**  
**T- 3f-2c (4-4) P4**

**T- 3f-2c (3-3) P8**  
**T+ 3e-2c (2-2) R4**  
**T- 3c-2a (6-5) Q4**

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8239 16971.06(2)	342(3) 16971.07	<b>T+ 3a-2c (3-3) R2</b> <b>T+ 3b-2a (7-2) P2</b>	8269 16952.24(2)	53.3(17)	<b>T- 3e-2c (0-0) P4</b>
8240 16970.73(4)	26(3)		8270 16950.260(15)	895(2)	
8241 <b>16969.95(2)</b>	87.9(15) 16969.96		8271 16949.686(18)	136.3(19)	
8242 16969.47(3)	53.6(16)		8272 16949.209(17)	199.5(18)	
8243 16969.04(6)	14.4(17)		8273 16948.605(17)	267(3)	
8244 16968.542(19)	728(2) 16968.51	<b>T- 3e-2c (1-1) Q1</b>	8274 16948.219(15)	865(10)	<b>T- 3e-2c (1-1) Q1</b>
8245 16967.92(3)	52.9(14)		8275 16947.84(3)	175(4)	
8246 16966.49(4)	17.9(14)		8276 16947.53(3)	109(6)	
8247 16965.84(2)	681(61)		8277 16946.98(2)	59.5(19)	
8248 16965.72(5)	137(61)		8278 16946.534(17)	193.9(19)	
8249 <b>16965.11(2)</b>	202.6(17) 16965.10	<b>T- 3e-2c (0-0) Q7</b>	8279 16945.51(2)	62.2(17)	<b>T+ 3e-2c (2-2) R3</b> S 3A-2C (2-0) Q4
8250 16964.70(4)	17.5(17)		8280 16944.642(17)	260(4)	
8251 16964.01(5)	22(3)		8281 <b>16944.248(15)</b>	1180(7)	
8252 16963.71(2)	300(3) 16963.69				
8253 16962.79(2)	211.4(14) 16962.80		8282 16943.84(2)	120(3)	
8254 16961.141(19)	61.3(12) 16961.15	<b>T+ 3f-2c (3-3) P9</b>	8283 16943.34(4)	22.0(18)	<b>T- 3e-2c (1-1) Q2</b> S+ WX-2B (0-3) R1
8255 16960.77(4)	16.6(11)		8284 16942.537(15)	422.8(17)	
8256 16960.397(18)	73.1(11)		8285 16941.82(2)	100(3)	
8257 16959.640(15)	633(5) 16959.63		8286 16941.42(4)	152(23)	
8258 16959.40(3)	31(5)		8287 16941.23(2)	427(24)	
8259 16958.84(3)	17.6(11)	<b>T- 3c-2a (6-5) Q5</b> <b>T- 3f-2c (4-4) P5</b> <b>T- 3f-2c (4-4) P5</b>	8288 16940.138(15)	653.5(12)	<b>T+ 3a-2c (2-2) Q3</b> <b>T- 3e-2c (1-1) Q2</b> S+ WX-2B (0-3) R1
8260 16958.401(15)	873(2) 16958.43		8289 16939.65(3)	19.7(11)	
8261 16957.97(3)	19.2(11)		8290 16938.794(15)	322.6(11)	
8262 16957.413(15)	203.1(9) 16957.41		8291 16938.269(15)	423.3(11)	
8263 16956.768(17)	370(10)		8292 16937.577(17)	130.1(13)	
8264 16956.57(8)	19(9)	<b>T- 3f-2c (3-3) P9</b>			<b>T+ 3a-2c (2-2) Q3</b> <b>T- 3e-2c (1-1) Q2</b> S+ WX-2B (0-3) R1
8265 16956.160(15)	499(2)				
8266 16955.82(5)	13.3(13)		8293 16937.159(15)	688.8(14)	
8267 16955.378(15)	282.8(11) 16955.38		8294 16936.57(2)	49.6(11)	
8268 16952.905(15)	847.7(19) 16952.89		8295 <b>16935.138(16)</b>	262(3)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8296 16934.85(2)	82(3)		8325 16917.99(5)	20.9(18)	
8297 16933.647(15)	338.3(11)		8326 16917.00(5)	16.9(8)	
8298 16933.13(2)	51.4(11)		8327 16916.31(4)	132.5(8)	16916.27
8299 <b>16932.543(15)</b>	494.4(12)	<b>T+ 3a-2c (2-2) Q1</b>	8328 16915.28(3)	432.2(11)	16915.28
8300 16932.106(16)	286.5(12)	<b>T- 3e-2c (0-0) Q8</b>	8329 <b>16914.73(4)</b>	53.5(9)	16914.75
8301 16931.611(15)	427.1(12)	<b>T- 3c-2a (6-5) Q6</b>	8330 16914.24(5)	39(5)	
8302 16931.11(2)	51.1(11)		8331 16914.02(4)	126(5)	16914.07
8303 16930.14(3)	23.3(11)		8332 <b>16913.45(4)</b>	28.3(8)	<b>T+ 3b-2a (7-2) P3</b>
8304 16929.572(15)	386.5(16)		8333 16912.73(4)	875(2)	S+ WX-2B (0-3) P1
8305 16929.13(3)	127(17)		8334 16912.39(4)	79.9(18)	<b>T+ 3b-2a (9-3) P5</b>
8306 16928.95(3)	87(18)		8335 16911.98(6)	27.2(16)	<b>T+ 3e-2c (1-1) P4</b>
8307 16928.358(15)	519.8(14)	<b>T+ 3f-2c (3-3) P10</b>	8336 16911.68(4)	55(2)	
8308 16927.95(3)	25.3(14)		8337 16909.44(4)	250.2(10)	16909.43
8309 16926.82(4)	13.8(8)		8338 16908.91(4)	164.1(15)	16908.92
8310 16925.55(6)	11.2(10)		8339 16908.57(6)	18.0(16)	
8311 16925.10(3)	663.5(12)	S- 3E-2B (2-9) Q5	8340 16907.38(4)	185.8(9)	16907.37
8312 16924.60(4)	622(6)	<b>T- 3f-2c (3-3) P10</b>	8341 16905.421(18)	457(4)	<b>T+ 3e-2c (2-2) R2</b>
8313 16924.38(4)	74(7)		8342 16905.12(4)	28(4)	
8314 16923.72(5)	25.3(11)		8343 16904.54(3)	15.8(8)	
8315 16923.36(4)	40.1(11)		8344 16903.55(2)	30.5(8)	
8316 16922.34(4)	39.6(9)		8345 16902.907(17)	504.9(10)	
8317 16921.84(3)	1077.6(12)	<b>T+ 3e-2c (1-1) P3</b>	8346 <b>16902.325(19)</b>	138.9(11)	<b>T+ 3e-2c (0-0) P11</b>
8318 16921.17(4)	131.9(8)	<b>T+ 3b-2a (7-2) R6</b>	8347 16901.874(17)	1128.2(19)	<b>T+ 3e-2c (1-1) P5</b>
8319 16920.69(4)	27.1(8)		8348 16901.39(3)	18.5(10)	
8320 16920.14(5)	23.0(12)		8349 16900.399(18)	138.4(9)	
8321 <b>16919.76(5)</b>	30.7(12)	<b>T+ 3a-2c (4-4) R2</b>	8350 16899.92(3)	20.5(8)	
		S+ WX-2B (0-3) R2	8351 16899.11(3)	127(24)	
8322 16919.39(4)	110.8(12)		8352 <b>16898.93(3)</b>	412(14)	<b>T- 3e-2c (0-0) P5</b>
8323 16918.72(5)	22.7(10)		8353 16898.68(2)	361(12)	
8324 16918.30(4)	136.4(16)		8354 16898.27(7)	7.7(16)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8414 16860.67(4)	243(10)	<b>T+ 3d-2c (0-0) R3</b>	8443 16840.55(4)	97(3)	<b>T+ 3a-2c (4-4) Q3</b>
8415 16860.31(3)	2217(7)		8444 16840.24(5)	29(4)	
8416 16859.87(5)	82(6)		8445 16839.52(3)	182(4)	
8417 16858.79(5)	33(2)		8446 16839.21(3)	1478(4)	
8418 16858.09(3)	1233(8)				
8419 16857.79(3)	1545(6)	<b>T- 3e-2c (2-2) R3</b>	8447 16838.87(3)	100(3)	<b>T+ 3a-2c (4-4) Q4</b> T+ 3e-2c (2-2) Q5
8420 16857.37(3)	1056(10)		8448 16838.03(3)	121.8(10)	
8421 16857.11(4)	150(13)		8449 16837.23(3)	59.7(11)	
8422 16854.76(4)	55(2)		8450 16836.13(3)	152.0(17)	
8423  <b>16853.63(4)</b>	54(3)		8451 16835.75(3)	57.9(17)	
8424 16853.08(3)	220(3)	<b>T- 3e-2c (1-1) Q6</b>	8452 16835.25(3)	40.5(13)	<b>T+ 3a-2c (4-4) Q5</b>
8425 16852.56(4)	95(3)		8453 16834.49(3)	107(7)	
8426 16851.12(5)	24(2)		8454 16834.21(2)	1319(10)	
8427  <b>16849.80(3)</b>	559(3)		8455 16833.76(4)	51.0(18)	
8428 16849.40(3)	1312(4)		8456 16833.30(2)	616.1(17)	
8429 16849.01(4)	128(4)	<b>T+ 3e-2c (3-3) R6</b> <b>T+ 3d-2c (0-0) P1</b> <b>T- 3e-2c (1-1) P3</b> S+ WX-2B (0-3) P3	8457 16832.69(2)	1315(5)	<b>T+ 3d-2c (0-0) Q2</b> <b>T- 3e-2c (2-2) R1</b>
8430 16848.40(3)	221(3)		8458 16832.32(3)	305(7)	
8431 16846.89(3)	1485(5)		8459 16832.09(3)	292(10)	
8432 16846.48(4)	231(11)		8460 16831.26(3)	334(4)	
8433 16846.23(3)	359(13)		8461 16830.96(4)	79(3)	
8434 16845.67(5)	35(3)	<b>S- 3E-2C (4-1) Q1</b>	8462 16830.56(3)	122.3(19)	<b>T+ 3e-2c (2-2) Q4</b>
8435 16845.07(3)	781.9(12)		8463 16830.06(3)	111.7(13)	
8436  <b>16844.49(3)</b>	1360(5)		8464 16829.36(5)	15.2(14)	
8437 16844.18(3)	514(3)		8465 16828.93(3)	64.2(14)	
8438 16843.85(5)	38(4)		8466 16827.11(5)	113(27)	
8439 16842.74(4)	36.3(10)	<b>T- 3e-2c (0-0) P6</b>	8467 16826.91(3)	777(32)	<b>T- 3e-2c (0-0) Q11</b>
8440  <b>16842.10(4)</b>	37.0(11)		8468 16826.44(3)	352.1(19)	
8441 16841.49(3)	136.2(11)		8469 16826.04(3)	84.5(17)	
8442 16840.84(3)	327(5)		8470 16825.51(3)	52.6(16)	
			8471 16825.12(3)	173.7(17)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8472 16824.33(3)	33.7(12)	<b>T+ 3a-2c (2-2) P4</b> <b>T+ 3e-2c (1-1) P9</b> S- 3F-2B (2-10) Q6	8501 16801.494(19)	230.7(13)	<b>T+ 3a-2c (2-2) P5</b> S- 3E-2B (2-9) Q1
8473 16823.37(3)	201.4(19)		8502 16800.78(3)	53.5(17)	
8474 16822.90(5)	115(30)		8503 16800.41(5)	21.1(17)	
8475 16822.69(3)	869(34)		8504 16800.01(3)	77(2)	
8476 16822.04(2)	300.3(13)	<b>T+ 3a-2c (4-4) P1</b> S+ EF-2B (29-7) R0 <b>T+ 3b-2a (9-3) P6</b>	8505 16799.70(3)	61(3)	S+ WX-2B (0-3) P4
8477 16820.21(2)	225.9(13)		8506 16799.04(3)	18.9(13)	
8478 16818.68(3)	189.0(13)		8507 16798.57(2)	46.8(13)	
8479 16817.00(3)	30.9(12)		8508 16797.48(3)	35.1(15)	
8480 16815.76(3)	52.4(12)	S+ EF-2B (29-7) R2	8509 16797.038(18)	1351.2(17)	S+ 3E-2B (2-9) P3 <b>T- 3e-2c (1-1) Q8</b>
8481 16814.69(4)	17.2(12)		8510 16796.40(2)	134(7)	
8482 16813.23(5)	10.5(13)		8511 16796.15(3)	194(4)	
8483 16812.70(3)	168.7(13)		8512 16795.87(4)	35(5)	
8484 16812.17(3)	40.1(17)	<b>T+ 3c-2a (0-0) R7</b> <b>T+ 3c-2a (0-0) R6</b> <b>T+ 3e-2c (3-3) R4</b> S+ EF-2B (29-7) R4	8513 16795.271(19)	244(2)	<b>T+ 3c-2a (0-0) R8</b> <b>T+ 3d-2c (0-0) Q3</b> <b>T- 3e-2c (0-0) Q12</b> S 3A-2C (2-0) P5 <b>T- 3e-2c (0-0) P7</b>
8485 16811.76(2)	543.8(19)		8514 16794.94(3)	49(2)	
8486 16810.26(7)	9.0(18)		8515 16794.49(2)	106.7(14)	
8487 16809.31(3)	50.6(18)		8516 16793.97(3)	91(12)	
8488 16808.73(5)	16.6(18)	<b>T+ 3a-2c (3-3) P3</b> <b>T- 3e-2c (1-1) P4</b> T+ 3d-2c (0-0) R5 <b>T+ 3d-2c (0-0) P2</b>	8517 16793.79(3)	111(12)	16793.19
8489 16807.67(5)	15.8(19)		8518  <b>16793.189(19)</b>	590(3)	
8490 16807.20(3)	276(2)		8519 16792.34(3)	85(3)	
8491 16806.74(3)	75(2)		8520  <b>16791.828(18)</b>	1441(6)	
8492 16806.28(3)	330(25)	16807.16	8521 16791.51(2)	392(5)	16791.84
8493 16806.09(4)	161(23)		8522 16790.81(3)	73(3)	
8494 16805.73(4)	72(4)		8523 16790.265(18)	909(4)	
8495 16805.18(2)	1159(4)		8524 16789.84(2)	776(13)	
8496 16804.88(3)	158(4)	16805.15	8525 16789.61(3)	187(14)	16789.82
8497 16804.31(2)	2891(2)		8526 16789.00(3)	65(3)	
8498 16803.72(3)	94(3)		8527 16787.89(2)	299(3)	
8499 16803.40(4)	42(3)		8528 16786.92(3)	51(3)	
8500 16802.80(3)	170.1(18)	16802.82			

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
8529 16786.224(18)	806(3)	16786.20	<b>T+ 3c-2a (0-0) R5</b>	8559 16764.05(3)	100.4(8)	16764.03	
8530 16785.67(2)	115(3)		<b>T- 3c-2a (7-6) Q1</b>	8560 16763.44(5)	9.0(8)		
8531 16784.95(2)	280(3)			8561 16762.87(5)	11.1(8)		
8532 16784.497(19)	717(4)		<b>T- 3e-2c (2-2) Q1</b>	8562  <b>16762.30(3)</b>	992(3)	16762.32	<b>T+ 3c-2a (0-0) R3</b>
8533 16784.13(3)	101(4)			8563 16761.99(4)	198(2)		<b>T- 3e-2c (1-1) Q9</b>
8534 16782.99(2)	319(3)	16783.01	<b>T+ 3c-2a (0-0) R9</b>				<b>T+ 3a-2c (4-4) P3</b>
8535 16782.14(3)	86(3)			8564 16761.61(4)	49.6(11)		
8536 16779.75(5)	21(3)			8565 16761.14(5)	10.4(8)		
8537 16779.17(2)	186(3)		<b>T+ 3a-2c (3-3) P4</b>	8566 16759.46(5)	21.8(13)		
8538 16777.77(2)	85.3(13)			8567 16759.15(4)	87.8(13)	16759.17	
8539  <b>16777.28(2)</b>	390(8)		<b>T- 3c-2a (7-6) Q2</b>	8568 16758.59(5)	8.6(8)		
8540 16777.03(2)	433(7)			8569 16757.99(5)	42(4)		
8541 16776.79(4)	75(10)			8570 16757.77(4)	116(4)		
8542  <b>16776.372(18)</b>	1861(5)	16776.36	<b>T+ 3c-2a (0-0) R4</b>	8571  <b>16757.29(4)</b>	503(23)	16757.26	<b>T- 3e-2c (1-1) P5</b>
8543 16775.97(3)	53.8(19)						S+ 3E-2C (4-1) P3
8544 16775.44(3)	60(3)			8572 16757.12(5)	165(18)		S+ 3E-2C (4-1) P3
8545 16775.17(2)	110(3)		<b>T- 3e-2c (2-2) Q2</b>	8573 16756.82(4)	927(5)	16756.80	<b>T+ 3e-2c (3-3) R3</b>
8546 16774.585(19)	139.5(12)						S+ EF-2B (29-7) R5
8547 16774.00(3)	17.3(12)			8574 16756.59(4)	145(8)		
8548 16772.62(2)	90.9(12)			8575 16756.16(5)	12.7(10)		
8549 16772.13(3)	20.9(12)			8576 16755.37(4)	39.6(8)		
8550 16771.592(18)	1400.2(14)	16771.58	<b>T+ 3d-2c (0-0) R6</b>	8577 16754.90(4)	28.3(8)		
8551  <b>16770.924(18)</b>	486.1(13)	16770.92	<b>T+ 3c-2a (0-0) R10</b>	8578 16753.53(4)	46.0(8)		
8552 16770.47(3)	30.3(12)			8579 16752.95(4)	86.8(8)		
8553  <b>16769.37(2)</b>	46.3(12)		<b>T+ 3b-2a (7-2) P5</b>	8580 16752.52(3)	104.5(8)	16752.47	<b>T+ 3a-2c (3-3) P5</b>
8554 16768.90(4)	17.1(14)			8581 16751.94(6)	15(2)		
8555 16768.53(3)	36.0(14)			8582 16751.70(4)	134(2)	16751.67	
8556 16767.971(18)	511.4(12)	16767.99		8583 16750.82(4)	31.2(8)		
8557 16765.83(4)	108.0(15)	16765.86		8584 16750.23(4)	45.7(8)		
8558  <b>16764.70(3)</b>	136.0(9)	16764.72	<b>T- 3c-2a (7-6) Q3</b>	8585 16749.74(4)	68.1(8)		S- 4E-2C (1-2) R3

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8586 16749.31(4)	22.3(8)	S- 4E-2C (1-2) R5	8613 16731.11(3)	15.2(10)	<b>T- 3e-2c (0-0) P8</b>
8587 16748.43(7)	25(4)	S- 4E-2C (0-1) Q1	8614 16730.32(5)	6.7(10)	
8588 16748.11(4)	319(4)		8615 16729.751(19)	355(8)	
8589 16746.95(4)	78(3)		8616 16729.57(2)	115(8)	
8590 16745.23(6)	20(3)		8617 16729.02(2)	79.4(13)	
8591 16744.70(4)	85(3)		8618 16728.66(4)	14.5(12)	<b>T- 3e-2c (2-2) P2</b> <b>T- 3c-2a (7-6) Q5</b>
8592 <b>16744.19(3)</b>	1766(4)	<b>T- 3e-2c (2-2) Q4</b> <b>T+ 3c-2a (0-0) R2</b>	8619 16728.23(2)	120(3)	
			8620 16727.95(6)	15(2)	
8593 16743.70(5)	36(3)		8621 <b>16727.516(19)</b>	517(12)	
8594 16742.54(2)	179(3)			16727.50	
8595 16742.15(2)	140(3)		8622 16727.35(2)	295(12)	<b>T+ 3e-2c (2-2) P3</b> <b>T+ 3c-2a (0-0) R1</b>
8596 16741.453(19)	188(3)	<b>T+ 3d-2c (0-0) P3</b>	8623 16726.74(3)	41.9(19)	
8597 16740.78(3)	45(3)		8624 16726.45(4)	17.8(19)	
8598 16739.98(4)	34(3)		8625 16725.88(3)	27.0(14)	
8599 16739.522(18)	829(9)		8626 16725.50(6)	20(4)	
8600 16739.224(19)	1546(15)	<b>T+ 3d-2c (0-0) Q4</b>	8627 16725.27(2)	123(4)	<b>T+ 3e-2c (2-2) P3</b> <b>T+ 3c-2a (0-0) R1</b>
8601 16738.98(2)	533(17)		8628 16724.72(3)	39(3)	
8602 16738.66(3)	75(6)		8629 16724.48(4)	22(3)	
8603 16738.15(4)	31(3)		8630 16723.91(2)	25.6(10)	
8604 16737.33(3)	123(10)		8631 16723.33(2)	73(4)	
8605 16737.09(3)	116(9)		8632 16723.11(2)	148(4)	<b>T+ 3e-2c (2-2) P3</b> <b>T+ 3c-2a (0-0) R1</b>
8606 16736.611(16)	2576(4)	<b>T+ 3d-2c (0-0) R7</b>	8633 16722.575(16)	1511.4(12)	
8607 16736.12(3)	50(3)		8634 16721.984(16)	732.2(10)	
8608 16735.57(3)	40(3)		8635 16721.44(3)	21.3(10)	
8609 16734.92(2)	66(3)	<b>T+ 3a-2c (4-4) P4</b> S+ 3F-2B (0-6) R1	8636 16720.994(19)	94.0(11)	
8610 16732.79(3)	31(3)		8637 16720.56(3)	88(5)	<b>T+ 3d-2c (1-1) R1</b> <b>T+ 3e-2c (3-3) R2</b>
8611 16732.16(4)	34(4)		8638 16720.319(17)	897(4)	
8612 16731.83(3)	28.0(14)		8639 16719.92(2)	100(3)	
			8640 16719.653(19)	330(3)	
			8641 16719.34(4)	16(2)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8642 16717.28(5)	6.9(8)	S+ GK-2B (5-9) R4 <b>T+ 3a-2c (4-4) P5</b> <b>T+ 3e-2c (2-2) P4</b> <b>T- 3e-2c (1-1) P6</b>	8672 16700.6(2)	3(2)	<b>T+ 3d-2c (0-0) R8</b> S 3A-2C (2-0) P6
8643 16716.65(4)	10.5(8)		8673 16700.24(5)	26(2)	
8644 16716.08(2)	47.8(10)		8674 16699.84(2)	1119(3)	
8645 16715.66(4)	15.7(10)		8675 16699.51(3)	83(3)	
8646 16715.128(18)	93.8(12)		8676 16698.95(6)	10.1(18)	
8647 16714.03(2)	41.0(8)		8677 16698.41(3)	66(2)	
8648 16712.859(19)	77.7(8)		8678 16698.08(3)	53(3)	
8649 16712.17(4)	10.5(10)		8679 16697.36(6)	11.6(19)	
8650 16711.710(17)	277(2)		8680 16696.90(3)	37.5(19)	
8651 16711.32(3)	21.5(14)		8681 16696.38(5)	15.4(18)	
8652 16709.37(4)	11.9(8)		8682  <b>16695.84(2)</b>	1090(3)	
8653 16708.97(3)	54.8(8)		8683 16695.50(3)	129(3)	
8654 16708.47(3)	15.5(7)		8684 16694.97(4)	18.4(19)	
8655  <b>16707.95(3)</b>	97(3)		8685 16694.50(3)	89(2)	
8656 16707.70(4)	26(3)		8686  <b>16694.03(2)</b>	1251(13)	
8657 16707.18(2)	1518(2)	S+ GK-2B (3-3) R6 <b>T+ 3d-2c (1-1) Q1</b> <b>T- 3e-2c (3-3) R5</b>  S+ GK-2B (3-7) R2 <b>T+ 3e-2c (2-2) P5</b> <b>T- 3e-2c (2-2) P3</b>  <b>T- 3e-2c (3-3) R4</b>	8687 16693.79(3)	689(8)	
8658 16706.76(4)	27.4(11)		8688 16693.56(3)	259(14)	
8659 16706.33(2)	887(10)		8689 16693.08(2)	874(24)	
8660 16706.14(3)	169(10)		8690 16692.91(4)	172(23)	
8661 16705.68(3)	21.0(8)		8691 16692.49(5)	22(2)	
8662 16705.11(4)	8.9(7)		8692 16692.01(3)	524(26)	
8663 16704.59(2)	82.4(7)		8693 16691.85(4)	136(25)	
8664 16704.16(4)	8.6(7)		8694 16691.45(6)	22(3)	
8665 16703.58(5)	6.8(8)		8695 16691.05(4)	32(2)	
8666 16703.19(3)	31.6(8)		8696 16690.61(2)	1755(3)	
8667 16702.66(2)	171.0(8)		8697 16690.08(3)	404(16)	
8668 16702.21(4)	17.6(10)		8698 16689.89(3)	166(16)	
8669 16701.86(3)	70.3(10)		8699 16689.43(4)	27(2)	
8670 16701.43(6)	6.5(8)		8700  <b>16688.92(2)</b>	1353(19)	
8671 16701.02(3)	32.2(8)		8701 16688.75(3)	336(19)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8702 16688.26(4)	29.9(19)		8731 16670.60(4)	82(9)	<b>T- 3e-2c (0-0) P9</b> S+ GK-2B (4-8) P1
8703 16687.74(3)	91(4)				
8704 16687.39(2)	1890(74)	<b>T+ 3d-2c (1-1) R3</b>	8732 16670.39(3)	680(8)	16670.39
8705 16687.24(3)	1499(71)		8733 16669.96(3)	892(22)	16669.93
8706 16686.93(4)	82(7)		8734 16669.80(4)	303(23)	<b>T- 3e-2c (3-3) R2</b>
8707 16686.49(3)	42(2)		8735 16669.33(5)	17.7(13)	
8708 16685.08(2)	87.5(11)		8736 16668.74(4)	44.0(15)	<b>T+ 3d-2c (0-0) P4</b>
8709 16684.38(2)	426.3(11)		8737 16667.92(3)	121.8(15)	16667.98
8710  <b>16683.64(2)</b>	405(7)	<b>T+ 3d-2c (0-0) Q5</b>	8738 16663.34(3)	74.0(15)	
8711 16683.44(3)	115(7)		8739 16662.82(3)	174(3)	
8712 16682.35(3)	439(14)	<b>T- 3e-2c (3-3) R8</b>	8740 16662.52(3)	1498(3)	16662.54
8713 16682.12(6)	54(11)		8741 16662.12(3)	989.6(18)	16662.13
8714 16681.72(2)	446.4(18)	<b>T+ 3e-2c (3-3) R1</b>	8742 16661.53(3)	1484(35)	<b>T+ 3d-2c (0-0) R9</b>
8715  <b>16681.29(2)</b>	718(4)	<b>T- 3e-2c (3-3) R3</b>	8743 16661.36(3)	1700(21)	<b>T+ 3d-2c (1-1) Q2</b>
8716 16681.00(4)	68(3)		8744 16661.15(3)	571(18)	
8717 16680.71(4)	31(3)		8745 16660.62(4)	31.1(15)	
8718 16679.96(2)	429(4)	<b>T+ 3b-2a (7-2) P6</b> S+ GK-2B (3-7) R1	8746 16659.94(3)	292(7)	16659.91
			8747 16659.73(4)	96(7)	
8719 16679.72(4)	26(4)		8748 16658.86(4)	170(16)	16658.84
8720 16678.56(3)	59.2(11)		8749 16658.70(6)	55(16)	
8721 16677.95(3)	31.8(11)		8750 16657.55(3)	129.1(15)	16657.57
8722 16676.87(4)	22.1(11)	<b>T+ 3d-2c (1-1) P1</b>	8751 16656.88(3)	70.4(16)	
8723 16674.79(3)	98.2(12)		8752 16656.42(4)	62(3)	
8724 16674.22(3)	75.4(17)	<b>T- 3c-2a (7-6) Q7</b>	8753 16656.09(4)	127(4)	<b>T+ 3e-2c (3-3) Q5</b>
8725 16673.90(5)	25.6(17)		8754 16655.84(6)	27(5)	
8726 16673.33(3)	194(2)		8755 16655.30(5)	16.5(16)	S+ GK-2B (4-8) P2
8727 16673.04(3)	134(2)	<b>T- 3e-2c (2-2) Q7</b>	8756 16654.87(3)	191(3)	
8728 16672.35(5)	14.2(12)		8757 16654.54(3)	2555(4)	<b>T- 3c-2a (0-0) Q2</b>
8729 16671.81(3)	713.5(14)	<b>T+ 3e-2c (2-2) P7</b>	8758 16654.06(4)	39.2(16)	
8730 16671.23(4)	38.4(12)		8759 16653.47(3)	85.6(17)	

Table II (Continued).

$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment	$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment
8760 16653.07(3)	366(7)	16653.07	<b>T- 3e-2c (1-1) P7</b>	8790 16634.00(4)	3098(5)	16634.02	<b>T+ 3d-2c (1-1) R5</b>
8761 16652.84(4)	96(7)			8791 16633.50(6)	49(4)		
8762 16652.35(5)	63(9)			8792 16633.04(4)	361(4)	16633.08	
8763 16652.15(4)	116(9)			8793 16631.44(6)	71(5)		
8764 16650.98(3)	56.6(14)		<b>T+ 3e-2c (2-2) P8</b>	8794 16631.10(5)	190(5)	16631.13	
8765 16650.49(3)	1096.8(16)	16650.50		8795 16630.67(5)	111(4)		
8766 16649.97(4)	32.8(15)			8796 16630.17(6)	45(4)		
8767 16649.57(6)	16.8(18)			8797 16628.71(7)	28(4)		
8768 16649.22(4)	49.0(19)		S+ GK-2B (5-9) R3	8798 16628.12(4)	3155(5)	16628.11	<b>T- 3c-2a (0-0) Q4</b>
8769 16648.68(3)	904(12)	16648.67	<b>T- 3e-2c (2-2) P4</b>	8799 16627.62(5)	75(4)		
8770 16648.51(3)	239(12)			8800 16626.70(4)	420(4)	16626.68	<b>T+ 3e-2c (3-3) Q2</b>
8771 16647.80(3)	91.0(14)		<b>T+ 3e-2c (3-3) Q4</b>	8801  <b>16625.71(5)</b>	135(6)		
8772 16647.39(4)	48.3(14)						<b>T+ 3b-2a (5-1) R1</b>
8773 16646.32(4)	37.9(14)						
8774 16645.78(4)	42(3)			8802 16625.39(6)	75(6)		<b>T+ 3d-2c (0-0) Q6</b>
8775 16645.48(3)	287(3)	16645.45		8803 16624.84(4)	643(18)	16624.78	
8776 16645.17(4)	77(3)						S 4D-2C (0-1) R1 S+ GK-2B (6-10) R2
8777 16644.33(4)	68.3(12)						
8778 16643.61(6)	14.0(12)			8804 16624.63(5)	234(18)		<b>T+ 3d-2c (0-0) R10</b>
8779 16643.17(4)	1444(4)	16643.19	<b>T- 3c-2a (0-0) Q3</b>	8805 16623.62(5)	109(4)	16623.60	
8780 16642.86(5)	35(3)			8806  <b>16621.81(4)</b>	709(4)	16621.79	S+ GK-2B (3-7) P2
8781 16641.86(4)	69.3(10)						
8782 16640.84(5)	125(8)		S+ GK-2B (6-10) R3	8807 16621.50(5)	55(4)		S+ EF-2B (29-7) P6
8783 16640.65(4)	194(7)	16640.73	S+ GK-2B (6-10) R3	8808 16619.86(4)	187(6)		
8784 16640.19(4)	41.3(11)			8809 16619.58(5)	134(5)		<b>T+ 3d-2c (1-1) Q3</b>
8785 16639.08(4)	235.0(11)	16639.11		8810 16619.17(4)	659(8)	16619.12	
8786 16638.66(5)	21.6(10)			8811 16618.93(4)	246(9)		S+ GK-2B (5-9) R1 <b>T+ 3b-2a (5-1) R0</b>
8787 16636.61(6)	38(4)			8812 16618.40(4)	194(2)	16618.37	
8788 16634.85(5)	161(11)			8813 16617.49(4)	179(2)	16617.46	
8789 16634.60(6)	107(11)			8814 16614.89(2)	100(12)		
				8815 16614.72(3)	69(12)		



Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
8871 16580.856(15)	997(2)	16580.85	<b>T+ 3d-2c (0-0) R11</b>	8899 16564.42(3)	22.3(17)		<b>T+ 3e-2c (3-3) P2</b>
8872 16580.55(4)	20(2)			8900 16563.882(18)	252(7)		
8873 16579.44(2)	30.7(10)			8901 16563.68(2)	178(7)		
8874 16578.722(16)	249(2)	16578.75		8902 16562.446(17)	282(6)	16562.42	
8875 16578.44(2)	63.8(19)			8903 16562.23(3)	51(6)		
8876 16578.07(3)	22.3(14)		S+ GK-2B (0-5) R3	8904 16561.65(3)	29(3)		<b>T- 3c-2a (0-0) Q7</b> <b>T+ 3b-2a (5-1) P1</b> <b>T- 3c-2a (8-7) Q1</b>
8877 16577.55(3)	16.8(10)			8905 <b>16561.328(15)</b>	1210(3)	16561.32	
8878 16576.64(5)	5.4(10)			8906 16560.83(2)	67.5(17)		
8879 16575.78(2)	29.4(10)						
8880 16574.33(2)	32.2(17)			8907 16560.07(3)	7.5(7)		
8881 <b>16573.121(17)</b>	186.5(18)		<b>T+ 3d-2c (1-1) P3</b>	8908 16558.985(17)	53.0(6)		<b>T+ 3c-2a (1-1) R3</b> <b>T- 3e-2c (2-2) P6</b>
8882 16572.655(19)	259(9)			8909 16557.44(3)	12.9(7)		
8883 16572.45(2)	211(8)			8910 16556.94(3)	12.6(8)		
8884 16572.11(4)	26(3)			8911 16556.551(16)	133.0(8)		
8885 16570.75(3)	25(2)			8912 16556.138(15)	1822(5)	16556.12	
8886 16570.392(16)	1079(9)		<b>T+ 3d-2c (1-1) Q4</b>	8913 16555.88(2)	97(4)		<b>T+ 3c-2a (0-0) P3</b>
8887 16570.194(17)	450(10)			8914 16555.46(3)	13.8(8)		
8888 16569.67(2)	44.6(18)			8915 16554.967(19)	33.1(7)		
8889 16569.16(2)	95(5)			8916 16554.499(15)	486.6(9)	16554.50	
				8917 16554.115(18)	51.9(8)		
8890 16568.84(2)	569(59)		S 4D-2C (0-1) R3	8918 16553.42(3)	9.2(7)		<b>T- 3e-2c (3-3) P2</b> <b>T- 3e-2c (3-3) Q5</b> <b>T- 3c-2a (8-7) Q2</b> <b>T+ 3b-2a (5-1) R5</b>
8891 16568.709(16)	2447(61)	16568.72	S+ EF-2B (21-3) R1	8919 16552.943(15)	400(2)	16552.94	
8892 16568.33(2)	60(3)		<b>T+ 3d-2c (1-1) R7</b>				
8893 16567.82(3)	33.6(19)			8920 16552.706(17)	170(2)		
8894 16567.443(16)	390.1(19)	16567.46		8921 16552.260(15)	593(2)	16552.26	
8895 16566.61(2)	57.1(19)			8922 16552.00(2)	51(2)		
8896 16566.170(15)	2044(2)	16566.17	<b>T+ 3c-2a (1-1) R4</b> S+ EF-2B (21-3) R2 S+ EF-2B (21-3) R0	8923 16551.473(18)	56.9(8)		
8897 16565.67(3)	33.2(18)			8924 16551.13(2)	33.1(8)		
				8925 16550.63(2)	41.5(15)		
				8926 16550.366(18)	73.7(15)		
8898 16565.077(18)	105.5(17)						



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8927 16549.63(3)	7.6(6)	<b>T+ 3e-2c (3-3) P3</b>	8956 16529.22(4)	4.2(5)	<b>T- 3c-2a (8-7) Q4</b>
8928 16548.34(2)	18.1(14)		8957 16528.71(3)	6.5(5)	
8929 16547.775(10)	108.5(14)		8958 16528.194(8)	490.5(7)	
8930 16545.60(2)	24.9(14)		8959 16527.73(2)	9.2(6)	
8931 16544.92(3)	18.0(14)		8960 16526.971(13)	21.3(5)	
8932 16544.356(8)	850.7(15)		8961 16524.218(9)	100.0(5)	
8933 16543.693(8)	496.8(14)		8962 16523.632(8)	107.4(5)	
8934 16543.163(11)	86.7(14)		8963 16523.049(16)	39(2)	
8935 16541.925(10)	217(5)		8964 16522.82(4)	12(2)	
8936 16541.668(15)	216(5)		8965 16522.259(8)	375.1(15)	
8937 16541.445(15)	140(7)	<b>T- 3c-2a (8-7) Q3</b>			<b>T+ 3d-2c (2-2) R1</b> S+ GK-2B (6-10) P4
8938 16541.040(16)	36.3(13)				
8939 16540.437(12)	59.0(11)				
8940 16540.000(17)	29.3(12)				
8941 16539.531(7)	1775.0(16)	<b>T+ 3d-2c (0-0) R12</b>			<b>T+ 3c-2a (1-1) R1</b> <b>T+ 3b-2a (5-1) P2</b> <b>T- 3e-2c (3-3) P3</b>
		<b>T+ 3c-2a (1-1) R2</b>			
		S 4D-2C (0-1) R4			
8942 16539.047(18)	50(2)	<b>T+ 3e-2c (4-4) R2</b> <b>T+ 3d-2c (2-2) R2</b> S+ EF-2B (21-3) P2			<b>T+ 3e-2c (4-4) R2</b> <b>T+ 3d-2c (2-2) R2</b> S+ EF-2B (21-3) P2
8943 16538.773(9)	382(2)				
8944 16538.42(3)	15.6(15)				
8945 16535.82(3)	11.4(11)				
8946 16534.786(18)	26.1(12)				
8947 16534.403(12)	55.4(12)				
8948 16533.43(2)	23.4(16)				
8949 16533.04(2)	151(26)				
8950 16532.888(9)	1272(25)				
8951 16532.543(18)	61(2)				
8952 16532.164(8)	1920(2)				
8953 16531.798(17)	52.6(16)				
8954 16531.46(4)	17.7(16)				
8955 16531.13(2)	20.2(16)				
			8972 <b>16517.170(19)</b>	441(7)	
			8973 16516.97(2)	221(7)	
			8974 16515.92(3)	20.4(10)	
			8975 16515.36(2)	62.8(11)	
			8976 16514.92(2)	58.7(11)	
			8977 16513.75(2)	24.7(10)	
			8978 16512.97(2)	60.9(11)	
			8979 16512.56(3)	42(3)	
			8980 16512.26(2)	465(18)	
			8981 16512.06(3)	407(10)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
8982 16511.879(18)	890(21)	<b>T+ 3e-2c (3-3) P5</b> <b>T+ 3b-2a (5-1) R6</b> <b>T+ 3c-2a (0-0) P4</b> S 4D-2C (0-1) Q3	9011 16496.097(17)	826.8(15)	S- 4E-2C (1-2) P5  <b>T+ 3d-2c (2-2) R3</b>  <b>T+ 3d-2c (2-2) Q1</b>  <b>T+ 3c-2a (1-1) R0</b>
8983 16511.384(17)	481.5(12)		9012 16495.659(18)	476(4)	
8984 16511.01(3)	25.5(13)		9013 16495.369(17)	1828(3)	
8985 16510.593(16)	1312.0(15)		9014 16495.065(17)	1347(3)	
8986 16510.13(2)	29.8(11)	S+ GK-2B (6-10) P5	9015 16494.55(2)	50.6(14)	T- 3e-2c (0-0) P12 S+ EF-2B (19-2) R1
8987 16509.612(19)	79.0(10)		9016 16494.120(17)	704(4)	
8988 16508.60(3)	70(7)		9017 16493.83(3)	103(3)	
8989 16508.42(2)	96(7)		9018  <b>16493.469(17)</b>	976(5)	
8990 16506.605(18)	91.5(10)	<b>T- 3e-2c (3-3) Q7</b>	9019 16492.98(2)	162(5)	T- 3e-2c (0-0) P12 S+ EF-2B (19-2) R1
8991 16506.010(19)	265(8)		9020 16492.75(5)	22(6)	
8992 16505.85(2)	127(8)		9021 16492.22(3)	16.5(12)	
8993 16504.03(2)	87.8(15)		9022 16491.32(4)	11.4(12)	
8994 16503.72(3)	34.6(15)	<b>T- 3c-2a (8-7) Q5</b>	9023 16490.09(2)	104(5)	T- 3e-2c (0-0) P12 S+ EF-2B (19-2) R1
8995 16503.175(18)	552(12)		9024 16489.86(6)	17(5)	
8996 16503.01(2)	253(11)		9025 16487.71(3)	356(4)	
8997 16502.61(4)	17.9(15)		9026 16487.47(5)	24(4)	
8998 16502.272(19)	281(4)	<b>T+ 3d-2c (0-0) Q8</b>	9027 16485.64(3)	59.3(11)	T- 3e-2c (0-0) P12 S+ EF-2B (19-2) R1
8999 16502.05(2)	99(5)		9028 16485.13(3)	218.5(11)	
9000 16501.43(3)	149(23)		9029 16484.22(3)	298(5)	
9001 16501.25(3)	541(12)		9030 16484.00(5)	30(5)	
9002 16501.08(2)	295(26)	<b>T- 3c-2a (0-0) Q9</b>	9031 16482.49(3)	114.9(17)	T+ 3d-2c (2-2) P1  T- 3c-2a (8-7) Q6  T- 3e-2c (3-3) P4 T- 3e-2c (3-3) Q8
9003 16500.72(2)	48.2(18)		9032  <b>16481.27(3)</b>	285.3(18)	
9004 16500.10(3)	21.8(16)		9033 16480.82(4)	33.3(17)	
9005 16499.681(17)	710(4)		9034 16479.95(3)	334(2)	
9006 16499.32(5)	18(2)	T- 3c-2a (0-0) Q9	9035 16479.62(4)	44(2)	T- 3e-2c (3-3) P4 T- 3e-2c (3-3) Q8
9007 16498.768(17)	445.2(19)		9036 16478.60(3)	715(8)	
9008 16498.44(4)	15.9(19)		9037 16478.39(4)	72(8)	
9009 16497.21(4)	15.8(12)		9038 16477.69(4)	25.8(17)	
9010 16496.77(2)	35.2(12)		9039 16477.23(3)	83.1(17)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9040 16476.46(3)	54.8(17)		9069 16453.911(17)	540.5(16)	
9041 16475.90(3)	518(8)		9070 16453.520(16)	2273(2)	<b>T- 3c-2a (1-1) Q2</b> S 4D-2C (0-1) Q4
9042 16475.68(3)	124(8)				
9043 16474.41(5)	18.8(17)		9071 16453.05(2)	35.0(13)	
9044 16473.93(3)	722(2)		9072 16452.33(2)	33.8(14)	
9045 16473.48(4)	31.9(18)	<b>T+ 3e-2c (3-3) P7</b>	9073 16451.423(17)	260.5(15)	16451.44
9046 16472.74(3)	861.2(19)	<b>T+ 3d-2c (2-2) R4</b>	9074 16451.035(19)	118.9(15)	
9047 16471.69(3)	73.8(17)		9075 <b>16450.625(17)</b>	251.7(15)	16450.63
9048 16468.31(3)	95(6)		9076 16449.32(2)	43.2(14)	
9049 16468.11(4)	52(6)		9077 16448.23(3)	26.6(14)	
9050 16465.74(4)	21.1(17)		9078 16446.91(4)	23(2)	
9051 <b>16465.32(3)</b>	672(11)	<b>T+ 3d-2c (2-2) Q2</b>	9079 16446.56(4)	71(15)	
9052 16465.11(3)	321(8)		9080 16446.375(17)	1989(15)	16446.39
9053 16464.84(4)	64(5)				<b>T+ 3d-2c (2-2) R5</b> S 3A-2B (2-11) R1
9054 16464.40(3)	63(2)		9081 16446.01(3)	36(2)	
9055 <b>16464.04(3)</b>	1120(2)		9082 16445.67(5)	10.8(18)	
			9083 16443.85(3)	25.8(14)	
9056 <b>16463.58(3)</b>	736.5(15)		9084 16442.96(2)	56.1(14)	
9057 16463.04(4)	20.0(14)		9085 16442.456(16)	1467.6(18)	16442.43
9058 16462.25(4)	22.5(14)		9086 16442.04(2)	51.4(16)	
9059 16461.32(4)	31.5(18)		9087 16441.68(3)	37.7(16)	
9060 <b>16460.92(3)</b>	759(12)	<b>T- 3c-2a (1-1) Q1</b>	9088 16440.78(2)	31.7(14)	
9061 16460.69(3)	747(7)	<b>T+ 3d-2c (1-1) Q6</b>	9089 16439.64(2)	36.8(12)	
9062 16460.47(3)	351(13)		9090 16438.83(2)	43.3(13)	
9063 16460.12(3)	55(2)	S+ GK-2B (7-11) P3	9091 16438.47(2)	57.5(13)	
9064 16457.586(18)	130.4(13)		9092 16437.84(2)	128(4)	S+ EF-2B (19-2) R5
9065 16456.81(3)	30.7(15)		9093 16437.62(3)	55(4)	
9066 16456.424(17)	670(2)		9094 <b>16437.060(18)</b>	109.6(12)	<b>T+ 3d-2c (2-2) P2</b>
9067 16456.13(3)	26(2)		9095 16436.57(2)	264(12)	
9068 16454.26(3)	22.0(17)	T- 3e-2c (2-2) P8	9096 16436.42(2)	129(12)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9097 16435.46(2)	52.1(12)		9127 16416.77(3)	1062(12)	<b>T+ 3d-2c (2-2) R6</b>
9098 16434.36(3)	14.2(12)		9128 16416.36(4)	31.2(17)	
9099 16433.43(3)	18.8(12)		9129 16415.82(4)	47(5)	S+ EF-2B (17-1) R2
9100 16431.47(5)	13.1(19)		9130 16415.61(4)	40(5)	
9101 16430.90(7)	8.0(19)		9131 16414.69(3)	228.9(15)	16414.70
9102 16430.34(4)	30.5(19)	S+ EF-2B (19-2) P2	9132 16414.23(3)	136.7(15)	
9103 16429.88(3)	61(2)	<b>T- 3e-2c (0-0) P13</b>	9133 <b>16413.60(3)</b>	1491.8(18)	<b>T+ 3c-2a (0-0) P6</b>
9104 16429.50(4)	77(3)		9134 16413.11(4)	24.2(15)	
9105 16429.22(5)	31(4)		9135 16411.27(6)	8.2(15)	
9106 16428.65(5)	20(2)		9136 16409.91(4)	26.4(15)	
9107 16428.23(4)	44(2)		9137 16409.46(3)	1461.8(15)	<b>T- 3c-2a (1-1) Q5</b>
9108 <b>16427.75(3)</b>	3061(3)	<b>T- 3c-2a (1-1) Q4</b>	9138 16409.04(4)	28.5(16)	
9109 16427.14(3)	317(9)		9139 16408.57(5)	15.7(15)	S+ GK-2B (8-12) P1
9110 16426.94(3)	276(9)	<b>T+ 3d-2c (2-2) Q3</b>	9140 16407.83(4)	15.3(10)	S+ EF-2B (19-2) R6
9111 16426.42(4)	74(7)		9141 16407.27(3)	43.9(10)	
9112 16426.20(4)	72(7)		9142 16406.29(3)	216(22)	<b>T+ 3d-2c (0-0) R15</b>
9113 16425.37(3)	404.6(19)	S+ EF-2B (32-9) R2	9143 16406.16(4)	127(22)	<b>T+ 3d-2c (0-0) R15</b>
9114 16424.89(3)	59.5(19)	<b>T+ 3d-2c (1-1) P5</b>	9144 16405.64(3)	55.3(11)	
9115 16424.42(5)	28(2)		9145 16403.78(3)	59.2(10)	S+ EF-2B (17-1) R3
9116 16424.06(6)	28(3)		9146 16402.02(3)	287(5)	T+ 3d-2c (1-1) Q7
9117 16423.76(3)	317(3)		9147 16401.82(3)	140(5)	
9118 16423.15(4)	21.4(19)		9148 <b>16400.33(3)</b>	366(10)	<b>T+ 3b-2a (5-1) P4</b>
9119 16421.84(4)	32.6(17)				<b>T- 3e-2c (2-2) P9</b>
9120 16421.49(3)	88.8(17)				T- 3e-2c (4-4) Q1
9121 16420.94(3)	53(2)		9149 16400.17(4)	74(9)	
9122 16420.63(4)	43(2)		9150 16399.77(3)	39.9(13)	S- 3E-2C (5-2) Q3
9123 16418.44(5)	14.9(15)		9151 16399.17(4)	16.9(10)	S+ EF-2B (19-2) P3
9124 16417.55(5)	17(2)		9152 16398.26(4)	9.3(10)	
9125 16417.15(5)	142(48)		9153 16397.13(3)	10.8(10)	
9126 16417.01(3)	906(38)		9154 16396.72(3)	15.5(10)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
9155 <b>16396.205(11)</b>	492.6(11)	16396.21	<b>T+ 3c-2a (1-1) P2</b>	9183 16379.283(15)	85(2)	16379.28	<b>T+ 3c-2a (2-2) R9</b>
9156 16395.735(18)	26.9(9)			9184 16377.35(2)	16.9(9)		
9157 16394.89(3)	10.0(9)			9185 <b>16376.212(11)</b>	158.8(9)	16376.20	
9158 16392.858(11)	266.2(10)	16392.85		9186 16374.19(3)	17.3(16)		
9159 16392.44(2)	21.1(10)			9187 16373.880(12)	318(2)	16373.88	
9160 16391.99(3)	26(2)			9188 16373.597(17)	170(3)		
9161 16391.671(13)	606(8)	16391.66		9189 16373.382(18)	79(5)		
9162 16391.487(18)	115(10)			9190 16372.18(2)	16.8(9)		
9163 16390.67(3)	27(2)			9191 16371.711(10)	954.7(12)	16371.69	
9164 16390.274(18)	64(2)			9192 16371.23(3)	12.3(9)		
9165 16388.834(15)	93(2)		<b>T- 3c-2a (1-1) Q6</b>	9193 16369.831(13)	58.0(9)		<b>T- 3e-2c (0-0) P14</b>
9166 16388.19(2)	40(2)			9194 16369.21(2)	16.1(9)		
9167 <b>16387.707(10)</b>	2608(3)	16387.71		9195 16368.375(13)	121.1(17)		
9168 16387.24(2)	50(2)			9196 16368.082(14)	133.2(16)		
9169 <b>16386.759(12)</b>	291(2)	16386.78		9197 16367.80(2)	33.5(18)		
9170 16386.19(2)	38(2)			9198 16367.358(15)	44.0(9)		
9171 <b>16385.815(11)</b>	709(2)	16385.82		9199 16366.539(16)	30.7(9)		
				9200 16364.441(7)	225.8(9)	16364.45	
9172 16385.31(3)	29(2)			9201 16363.58(2)	13.8(9)		
9173 16384.85(2)	74(5)			9202 16362.876(10)	88.9(14)		
9174 16384.569(11)	2027(5)	16384.56	<b>T+ 3d-2c (2-2) R7</b>	9203 <b>16362.538(7)</b>	1038.6(16)	16362.53	<b>T- 3c-2a (1-1) Q7</b>
9175 16384.278(19)	105(5)			9204 16362.056(16)	26.2(10)		
9176 16383.785(13)	534(12)			9205 16361.633(9)	235(2)		
9177 16383.588(14)	499(12)			9206 16361.351(11)	77.1(18)		
9178 16383.20(2)	44(3)			9207 <b>16360.808(7)</b>	693.0(15)	16360.81	
9179 <b>16382.150(12)</b>	677(12)	16382.16		9208 16360.35(3)	24(2)		
9180 16381.964(15)	302(12)			9209 16360.049(10)	129(2)		
9181 <b>16380.788(11)</b>	412(2)	16380.79		9210 16359.581(13)	44.0(13)		
9182 <b>16380.063(13)</b>	139(2)	16380.07	<b>T+ 3d-2c (2-2) P3</b>	9211 16359.108(17)	28.7(13)		

S+ EF-2B (32-9) P2  
**T+ 3b-2a (8-3) R1**  
 S+ EF-2B (19-2) P4

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9212 <b>16358.650(7)</b>	534.4(14)	<b>T+ 3c-2a (2-2) R3</b>	9241 16341.097(10)	90.1(13)	<b>T- 3c-2a (9-8) Q2</b>
9213 16358.05(3)	11.6(13)		9242 16340.563(8)	170.2(12)	
9214 16357.542(8)	132.0(13)		9243 16340.25(3)	11.6(12)	
9215 16356.826(7)	443.2(13)	<b>T+ 3c-2a (1-1) P3</b>	9244 16339.75(3)	13.1(10)	<b>T- 3c-2a (1-1) Q8</b>
9216 16356.004(15)	29.6(12)		9245 16339.419(8)	203.1(10)	
9217 <b>16354.174(15)</b>	31.4(12)	<b>T+ 3b-2a (8-3) R0</b>	9246 16338.033(18)	12.1(7)	
9218 16352.978(8)	146.3(13)		9247 <b>16335.062(17)</b>	49.4(7)	<b>T+ 3b-2a (8-3) R3</b>
9219 16352.515(9)	92.0(13)		9248 16334.45(2)	30.3(11)	
9220 16351.360(15)	32.4(13)	<b>T- 3e-2c (4-4) P2</b>	9249 <b>16334.076(14)</b>	1673(3)	<b>T+ 3d-2c (2-2) Q5</b>
9221 16350.85(2)	18.7(14)		9250 16333.71(3)	32.1(12)	
9222 16350.431(15)	114(7)		9251 16333.39(4)	13.9(14)	<b>T- 3e-2c (4-4) P3</b>
9223 16350.204(8)	820(6)	<b>T- 3e-2c (4-4) P2</b>	9252 <b>16332.950(18)</b>	45.4(8)	
9224 16349.885(19)	38(2)		9253 16332.363(15)	380.8(9)	
9225 16347.568(13)	142(8)		9254 16331.998(14)	514.2(10)	<b>T- 3e-2c (4-4) P3</b>
9226 16347.381(9)	382(8)	<b>T- 3e-2c (4-4) P2</b>	9255 16331.55(3)	13.2(8)	
9227 16346.885(10)	87.1(13)		9256 16331.089(16)	78.1(7)	
9228 16346.62(3)	17.4(14)		9257 16329.271(17)	34.4(5)	<b>T+ 3b-2a (5-1) P5</b>
9229 16346.16(2)	17.0(9)	<b>T+ 3b-2a (10-4) R2</b>	9258 16328.503(16)	60.5(6)	
9230 16345.753(10)	220(5)		9259 16328.093(18)	136(4)	
9231 16345.552(17)	55(5)	<b>T+ 3b-2a (10-4) R0</b>	9260 16327.91(2)	69(4)	<b>T- 3c-2a (9-8) Q3</b>
9232 16345.03(2)	9.7(7)		9261 16327.483(15)	260.1(6)	
9233 16344.507(9)	232(3)		9262 16326.996(15)	209.3(6)	<b>S+ GK-2B (2-7) R1</b>
9234 16344.278(15)	63(3)	<b>T- 3c-2a (9-8) Q1</b>	9263 16326.057(17)	40.2(5)	
9235 16343.88(2)	15.5(9)		9264 16324.664(15)	89.9(5)	
9236 16343.259(19)	19.4(11)	<b>T+ 3b-2a (10-4) R1</b>	9265 <b>16323.179(18)</b>	24.6(5)	<b>T+ 3c-2a (2-2) R1</b>
9237 16342.956(15)	30.4(11)		9266 16322.40(2)	37(3)	
			9267 16322.21(2)	42(3)	
9238 16342.191(14)	26.4(8)	<b>T+ 3c-2a (2-2) R2</b>	9268 16321.76(3)	13.0(7)	<b>T+ 3c-2a (2-2) R1</b>
9239 <b>16341.717(7)</b>	1325(4)		9269 16321.42(3)	16.0(7)	
9240 16341.434(10)	191(3)		9270 16321.001(14)	471.5(8)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9271 16320.53(3)	6.5(6)		9299 16302.78(2)	10.2(6)	
9272 16319.507(18)	39.3(7)		9300 16302.391(10)	607.1(8)	16302.39
9273 16319.20(2)	15.2(7)		9301 16301.993(17)	18.8(6)	
9274 16318.72(3)	9.4(6)		9302 16301.48(2)	14.5(10)	
9275 16317.64(2)	46.7(14)	16317.65	9303 16301.223(13)	73.2(10)	
9276 16316.99(2)	33.5(14)		9304 16300.46(2)	15.4(7)	
9277 16316.07(3)	21.2(13)		9305 16300.145(11)	198.9(7)	16300.16
9278 16315.01(2)	49.2(14)		9306 16299.808(16)	25.5(7)	
9279 16314.593(16)	173.5(14)		9307 16299.06(3)	6.3(5)	
9280 <b>16314.083(14)</b>	2493(2)	16314.06	9308 16297.87(3)	5.4(5)	
			9309 16297.361(19)	18.2(8)	
9281 16313.67(2)	50.0(16)		9310 16297.07(2)	19.5(8)	
9282 16313.15(3)	24(2)		9311 16296.599(10)	697.8(7)	16296.59
9283 16312.855(16)	187(2)	16312.85	9312 16296.16(2)	10.9(6)	
9284 16312.29(3)	21.1(13)		9313 16295.71(3)	8.9(7)	
9285 16310.78(3)	13.8(13)		9314 16295.351(13)	297(7)	
9286 16310.10(2)	26.5(14)		9315 16295.188(16)	130(7)	
9287 16309.706(16)	51.3(14)		9316 16294.841(17)	26.5(8)	
9288 16308.817(14)	72.3(13)		9317 16294.36(3)	6.0(5)	
9289 16307.62(3)	23(3)		9318 16293.860(12)	204(2)	
9290 16307.324(12)	515(2)		9319 16293.660(15)	55(2)	
			9320 16293.117(17)	15.6(5)	
9291 16306.98(3)	33(2)		9321 16292.51(3)	28(5)	
9292 16306.69(2)	36(2)		9322 16292.349(12)	285(5)	16292.33
9293 16306.10(2)	43(2)		9323 16291.90(3)	7.2(6)	
9294 16305.81(2)	56(2)		9324 16291.295(11)	312(4)	
9295 16305.355(10)	1233(2)	16305.36	9325 16291.135(13)	127(4)	
9296 16304.956(19)	40.1(16)		9326 16290.342(15)	67(3)	
9297 16304.145(12)	166.0(13)	16304.16	9327 16290.16(2)	33(3)	
9298 16303.65(3)	5.8(6)				

T- 3c-2a (1-1) Q9

T+ 3b-2a (8-3) R4  
T+ 3b-2a (10-4) P1

T+ 3d-2c (3-3) R1

T+ 3c-2a (2-2) R0

T- 3c-2a (0-0) Q14

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9328 16289.85(3)	8.3(7)		9358 16273.00(3)	50.7(8)	
9329 16289.363(12)	198.9(15)		9359 16272.52(4)	12.3(7)	
9330 16289.083(14)	93.7(14)		9360 16270.68(3)	39.5(9)	
9331 16288.60(2)	37(4)		9361 16270.26(2)	141.3(12)	
9332 16288.429(12)	206.2(9)		9362 16269.93(3)	37.4(15)	
9333 16288.397(13)	192(4)		9363 16269.62(3)	161(2)	16269.58
9334 16287.825(16)	104(5)		9364 16269.38(3)	71(3)	
9335 16287.65(2)	45(5)		9365 16268.21(3)	19.0(10)	
9336 16286.26(4)	11(2)		9366 16267.79(2)	780(9)	16267.78
9337 16286.003(17)	79.2(17)		9367 16267.62(2)	837(9)	16267.68
9338 16285.656(12)	189.1(11)	<b>T+ 3e-2c (4-4) P6</b>	9368 16267.23(3)	24.2(10)	
9339 16285.218(13)	110.7(11)		9369 16266.82(3)	22.9(9)	
9340 16284.87(2)	51.7(18)		9370 16266.43(3)	18.1(9)	
9341 16284.618(19)	40(2)		9371 16265.37(3)	29.1(12)	
9342 16282.18(3)	61.4(11)		9372 16265.05(2)	539.2(13)	16265.05
9343 16281.88(4)	14.6(11)		9373 16264.58(2)	122.0(11)	
9344 16280.84(4)	9.0(7)		9374 16264.26(3)	22.2(11)	
9345 16280.31(2)	757.4(14)	<b>T+ 3d-2c (3-3) R3</b>	9375  <b>16263.66(3)</b>	68.6(9)	16263.67
9346 16279.93(2)	197.8(11)		9376 16261.76(4)	15.1(13)	S+ GK-2B (2-7) P2
9347 16279.62(3)	39.3(14)		9377 16261.39(3)	271(17)	
9348  <b>16279.15(2)</b>	671(6)	<b>T+ 3d-2c (2-2) Q6</b>	9378 16261.25(3)	469(16)	16261.26
9349 16278.96(2)	301(6)	S+ GK-2B (2-7) P1	9379 16260.93(3)	30(2)	
9350 16278.34(5)	10.1(15)		9380 16260.19(4)	8.2(9)	
9351 16278.07(6)	7.0(16)		9381 16258.88(4)	6.0(6)	
9352 16277.07(4)	10.8(9)		9382 16258.49(3)	16.6(7)	
9353 16276.66(2)	478.1(15)	<b>T+ 3d-2c (2-2) R10</b>	9383 16258.12(3)	176(2)	
9354 16276.22(5)	7.7(8)		9384  <b>16257.83(2)</b>	1658(3)	16257.81
9355 16275.80(4)	10.4(8)		9385 16257.46(3)	31.4(9)	
9356 16275.01(3)	38.8(7)		9386  <b>16257.03(3)</b>	31.7(6)	
9357 16274.31(4)	10.5(7)		9387 16256.41(3)	13.0(5)	

**T+ 3d-2c (3-3) Q1****T+ 3c-2a (1-1) P5**

S- 3E-2B (2-10) Q7

**T- 3c-2a (2-2) Q1****T+ 3b-2a (8-3) P2**

S+ GK-2B (2-7) P2

**T+ 3d-2c (3-3) R4****T+ 3d-2c (1-1) P7****T+ 3b-2a (8-3) R5****T- 3c-2a (2-2) Q2****T+ 3b-2a (10-4) P2**



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9388 16255.89(5)	4.2(5)		9417 16238.11(3)	26.6(13)	
9389 <b>16255.06(2)</b>	152.2(11)	<b>T+ 3d-2c (3-3) P1</b>	9418 16237.726(18)	820(26)	<b>T+ 3d-2c (3-3) R5</b> <b>T+ 3d-2c (2-2) R11</b>
9390 16254.74(5)	30(4)		9419 16237.57(3)	240(24)	
9391 16254.55(3)	76(5)		9420 16237.21(2)	587(15)	16237.23
9392 16254.15(3)	32.0(6)		9421 16237.04(3)	90(18)	
9393 16252.74(4)	8.5(5)		9422 16236.65(3)	14.9(12)	
9394 16251.59(3)	196(5)	<b>T- 3e-2c (4-4) P5</b>	9423 16235.40(2)	33.0(8)	S+ EF-2B (17-1) P5
9395 16251.43(3)	88(5)		9424 16234.400(19)	105.0(16)	
9396 16250.94(5)	15(3)		9425 16234.13(3)	25.5(16)	
9397 16250.75(4)	19(3)		9426 16233.553(18)	89.4(8)	
9398 16249.64(3)	13.4(7)		9427 16233.15(2)	30.7(8)	
9399 16247.96(3)	11.8(8)		9428 16232.635(16)	1829.0(13)	<b>T- 3c-2a (2-2) Q4</b>
9400 16247.409(16)	453.5(9)	<b>T+ 3c-2a (0-0) P9</b>	9429 16232.199(18)	93.4(9)	
9401 16246.975(16)	889(2)	<b>T- 3c-2a (2-2) Q3</b> S- 3F-2C (3-1) R1	9430 16231.77(2)	40.3(9)	
9402 16246.63(2)	200(4)		9431 16231.38(4)	11.3(9)	
9403 <b>16246.378(16)</b>	815(4)	<b>T+ 3b-2a (5-1) P6</b>	9432 16230.89(4)	8.0(8)	
9404 16245.91(3)	20.4(9)		9433 16230.31(3)	18.0(8)	
9405 16245.41(3)	53(3)		9434 16229.890(17)	273.4(15)	<b>T- 3c-2a (1-1) Q11</b>
9406 16245.130(19)	400(3)	<b>T+ 3d-2c (3-3) Q2</b>	9435 16229.61(4)	11.4(16)	
9407 16244.87(3)	108(4)		9436 16228.77(4)	7.0(8)	
9408 16244.552(19)	134(2)		9437 16223.240(18)	216(4)	<b>T+ 3d-2c (2-2) Q7</b>
9409 16243.94(2)	62(4)		9438 16223.02(2)	72(4)	
9410 16243.73(3)	49(4)		9439 16221.39(2)	19.2(8)	
9411 16242.773(19)	120(2)	<b>T- 3c-2a (0-0) Q15</b>	9440 16220.33(2)	37.7(8)	
9412 16242.52(2)	64(2)		9441 16217.86(5)	4.8(7)	
9413 16241.42(2)	35.8(8)	<b>T+ 3d-2c (2-2) P5</b>	9442 16217.476(19)	179(3)	16217.48
9414 16240.26(4)	7.0(8)		9443 16217.28(2)	89(3)	
9415 16239.73(4)	5.6(8)		9444 16216.83(4)	8.6(6)	
9416 16238.55(3)	12.0(8)		9445 16216.46(2)	26.5(6)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9446  <b>16216.015(17)</b>	1246.8(9)	<b>T+ 3c-2a (1-1) P6</b>	9476 16194.06(4)	24.7(9)	<b>T- 3c-2a (2-2) Q6</b>
9447 16215.58(2)	30.6(6)		9477  <b>16193.61(3)</b>	1655.0(14)	
9448 16215.202(18)	156.0(6)		9478 16193.20(4)	31.8(10)	
9449 16214.804(18)	931(8)	<b>T- 3c-2a (2-2) Q5</b>	9479 16192.78(3)	163(4)	
9450 16214.50(2)	81.5(11)	<b>T+ 3d-2c (3-3) P2</b>	9480 16192.58(4)	41(4)	<b>T- 3c-2a (0-0) Q16</b>
9451 16214.23(3)	18.8(14)		9481 16191.93(3)	185.7(8)	
9452 16213.780(19)	49.7(6)		9482 16191.33(4)	18.8(8)	
9453 16213.26(2)	28.3(7)		9483 16190.87(3)	167.4(8)	
9454  <b>16211.680(19)</b>	195(4)	<b>T+ 3d-2c (3-3) Q3</b>	9484 16189.78(4)	13.4(8)	<b>T+ 3c-2a (0-0) P10</b> S- 3F-2C (3-1) Q2
9455 16211.48(2)	77(4)		9485 16189.32(3)	413.6(9)	
9456  <b>16211.03(3)</b>	16.3(12)	<b>T+ 3d-2c (3-3) R6</b>	9486 16188.76(4)	11.8(8)	
9457 16210.693(17)	532.3(15)	T+ 3d-2c (3-3) R6	9487 16187.87(4)	17.3(9)	
9458 16210.25(3)	13.0(8)		9488 16187.50(3)	63.5(10)	<b>T+ 3c-2a (3-3) R5</b> T+ 3c-2a (3-3) R5 T+ 3c-2a (3-3) R5
9459  <b>16209.320(19)</b>	318(5)	<b>T+ 3b-2a (8-3) P3</b>	9489 16187.13(3)	768.3(11)	
9460 16209.14(2)	124(5)		9490 16186.71(4)	14.7(9)	
9461 16207.14(2)	17.8(7)	S+ EF-2B (19-2) P7	9491 16183.60(3)	77.6(12)	
9462 16206.34(4)	5.7(7)		9492 16181.38(4)	49.6(17)	<b>T+ 3c-2a (3-3) R5</b> T+ 3c-2a (3-3) R5
9463 16204.670(18)	90.0(7)		9493  <b>16181.02(3)</b>	449(15)	
9464 16203.98(2)	33.8(7)		9494 16180.87(3)	900(16)	
9465 16203.54(4)	15(2)		9495 16180.47(4)	27.4(14)	
9466 16203.29(3)	20(2)	<b>T+ 3c-2a (2-2) P2</b>	9496 16178.82(4)	34.6(12)	<b>T+ 3c-2a (1-1) P7</b>
9467 16202.752(17)	353.7(8)		9497 16178.34(3)	50.3(12)	
9468 16202.24(2)	54.1(7)		9498 16176.72(4)	23.1(12)	
9469 16201.368(18)	117.6(7)		9499 16176.12(3)	749.7(19)	
9470 16199.85(2)	30.6(7)		9500 16175.79(4)	38.1(17)	<b>T+ 3c-2a (3-3) R4</b>
9471 16198.83(4)	9.1(8)	<b>T+ 3d-2c (2-2) R12</b>	9501 16175.46(5)	20.1(15)	
9472 16198.412(18)	225.5(19)		9502 16174.98(3)	603.1(13)	
9473 16198.14(2)	168.7(17)		9503 16172.88(5)	12.1(12)	
9474 16197.89(3)	32(2)				
9475 16195.56(3)	38.4(8)				

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
9504 16172.44(3)	336.5(7)	16172.41		9534 16153.05(5)	27.2(5)		
9505 16171.79(3)	110.7(7)			9535 16152.66(5)	12.8(5)		
9506 16171.38(3)	372(4)			9536 16151.29(6)	6.5(5)		
9507 16171.19(3)	152(4)		<b>T+ 3d-2c (3-3) Q4</b>	9537 16150.95(4)	40.2(5)		
9508 16169.53(4)	12.4(7)			9538 16149.92(6)	4.8(5)		
9509 16169.08(3)	687.2(8)		<b>T- 3c-2a (2-2) Q7</b>	9539 16149.46(5)	8.1(5)		
9510 16168.63(4)	9.9(7)			9540 16149.01(5)	38(4)		
9511 16167.18(5)	6.7(6)			9541 16148.82(4)	455(3)	16148.84	<b>T+ 3d-2c (3-3) R8</b>
9512 16165.93(4)	14.6(7)			9542 16148.56(5)	21.6(14)		
9513 16165.46(3)	312(6)		<b>T+ 3d-2c (2-2) Q8</b>	9543 16148.15(5)	12.6(5)		
9514 16165.28(3)	180(5)			9544 16147.71(4)	615.6(7)	16147.69	<b>T+ 3c-2a (3-3) R2</b>
9515 16164.96(3)	537(2)	16164.95	<b>T+ 3d-2c (2-2) P6</b>	9545 16147.29(5)	12.8(6)		
9516 16164.73(3)	138(3)			9546 16146.92(5)	68(2)		
9517 16164.37(4)	11.3(8)			9547 16146.73(5)	22(2)		
9518 16163.85(3)	41.6(7)			9548 16146.02(4)	153.2(5)	16146.03	<b>T- 3c-2a (1-1) Q13</b>
9519 <b>16163.45(3)</b>	316.9(7)	16163.45	<b>T+ 3c-2a (3-3) R3</b>	9549 16144.90(8)	2.4(5)		S+ EF-2B (19-2) P8
9520 16162.97(5)	21(2)			9550 16143.27(6)	5.8(5)		
9521 16162.76(3)	76(3)	16162.80	<b>T+ 3d-2c (3-3) P3</b>	9551 16142.88(5)	42(3)		<b>T+ 3b-2a (8-3) P4</b>
9522 16160.39(6)	4.7(5)			9552 <b>16142.69(4)</b>	129(3)	16142.67	S- 3E-2B (2-10) Q5
9523 16159.57(6)	24(3)			9553 16142.21(5)	8.8(5)		
9524 16159.38(4)	339(3)	16159.42		9554 16141.71(4)	124.4(5)		<b>T+ 3b-2a (5-1) P7</b>
9525 16158.94(5)	13.9(7)			9555 16141.29(4)	1055.7(9)	16141.29	<b>T- 3c-2a (2-2) Q8</b>
9526 16158.60(6)	7.0(7)			9556 16140.91(5)	22.3(6)		
9527 16158.06(5)	19.5(6)			9557 16140.53(6)	7.6(5)		
9528 16156.92(5)	9.2(4)			9558 16140.10(5)	52(2)		
9529 16155.89(4)	38.3(5)	16155.96		9559 16139.92(5)	22(3)		
9530 16155.52(6)	4.7(5)			9560 16139.41(5)	10.2(5)		
9531 16154.55(5)	50(2)	16154.51		9561 16138.94(5)	13.1(5)		
9532 16154.36(5)	38(2)	16154.30		9562 16138.07(7)	3.5(5)		
9533 16153.52(4)	42.2(5)	16153.52					

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9563 16137.32(5)	6.9(5)	<b>T- 3c-2a (0-0) Q17</b> <b>T- 3c-2a (0-0) Q17</b>	9592 16119.45(3)	1236.3(13)	<b>T+ 3c-2a (1-1) P8</b>
9564 16136.75(5)	67(3)		9593 16118.99(4)	28.6(10)	
9565 16136.58(6)	21(3)		9594 16118.54(3)	212.8(16)	16118.51
9566 16135.96(5)	45.6(9)		9595 16118.27(3)	145.7(17)	16118.30
9567 16135.71(4)	73.3(9)		9596 16117.10(7)	4.2(9)	
9568 16134.98(4)	54.3(5)		9597 16116.39(4)	13.3(9)	
9569 16134.25(7)	2.8(5)	<b>T- 3c-2a (10-9) Q1</b>	9598 16115.79(5)	13.6(15)	
9570 16133.66(6)	13.9(12)		9599 16115.43(4)	171(33)	<b>T+ 3d-2c (3-3) R9</b>
9571 16133.43(6)	9.7(12)		9600 <b>16115.31(3)</b>	658(33)	<b>T+ 3d-2c (3-3) R9</b>
9572 16132.60(4)	11.3(4)		9601 16114.95(4)	72(3)	
9573 16129.98(3)	37.8(4)	<b>T+ 3c-2a (3-3) R1</b>	9602 16114.71(6)	18(3)	
9574 16128.91(4)	9.2(6)		9603 16114.28(5)	3.4(3)	
9575 16128.62(4)	11.1(6)		9604 16113.78(3)	47.4(14)	
9576 16128.08(3)	268.8(10)		9605 16113.49(4)	23.2(8)	<b>T- 3c-2a (10-9) Q3</b>
9577 16127.63(4)	8.9(4)	<b>T+ 3d-2c (3-3) Q5</b>	9606 16112.94(3)	59.6(5)	16112.96
9578 16126.90(3)	69.6(19)		9607 16110.80(5)	5.2(6)	
9579 16126.65(3)	111.0(19)		9608 <b>16110.39(3)</b>	398.4(11)	<b>T- 3c-2a (2-2) Q9</b>
9580 <b>16125.80(3)</b>	179(4)		9609 16110.10(4)	26.8(10)	
9581 16125.60(3)	74(4)	<b>T- 3c-2a (10-9) Q2</b> <b>T+ 3c-2a (0-0) P11</b> T+ 3b-2a (10-4) P4 <b>T+ 3c-2a (2-2) P4</b> <b>T+ 3b-2a (10-4) P4</b>	9610 16109.14(3)	19.4(5)	
9582 <b>16124.92(3)</b>	36.3(10)		9611 16108.02(3)	13.4(5)	
9583 <b>16124.53(3)</b>	289.9(11)		9612 16106.20(3)	112(4)	<b>T+ 3d-2c (2-2) Q9</b>
9584 <b>16124.16(3)</b>	866.7(14)		9613 16106.00(4)	54(2)	
9585 <b>16123.83(3)</b>	59.6(13)	<b>T+ 3c-2a (3-3) R0</b>	9614 16105.77(3)	52(2)	
9586 16123.41(4)	15.2(10)		9615 16105.26(4)	6.4(5)	
9587 16123.02(5)	10.4(10)		9616 16104.80(2)	392.0(6)	16104.79
9588 16122.27(3)	52.7(9)		9617 16104.33(4)	5.4(5)	
9589 16121.48(3)	127.0(9)	<b>T+ 3d-2c (3-3) P4</b> <b>T- 3c-2a (1-1) Q14</b>	9618 16103.55(2)	58.0(5)	16103.58
9590 16120.18(5)	12.0(18)		9619 16102.32(3)	29.6(8)	
9591 16119.92(3)	53.9(17)		9620 16102.05(2)	67.6(9)	16102.08
			9621 <b>16100.15(2)</b>	218.7(5)	16100.19

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9622 16099.69(3)	10.1(5)	S- 3F-2C (3-1) P3	9651 16079.238(17)	24.0(4)	<b>T- 3c-2a (10-9) Q5</b>
9623 16099.33(5)	4.5(5)		9652 16078.77(2)	12.3(4)	
9624 16098.60(4)	4.7(5)		9653 16078.17(5)	2.9(5)	
9625 16098.19(2)	23.9(3)	<b>T- 3c-2a (10-9) Q4</b> S- 3E-2B (2-10) Q4	9654 16077.76(4)	5.2(5)	S+ EF-2B (20-3) R1
9626 16095.62(4)	3.5(3)		9655 16077.37(3)	8.0(5)	
9627 16094.59(3)	6.3(3)		9656 16076.978(19)	19.7(5)	
9628 16094.23(3)	12.4(3)	7.9(3)	9657 16076.467(14)	756.7(16)	<b>T- 3c-2a (3-3) Q1</b>
9629 16093.66(3)	7.9(3)		9658 16076.213(15)	226.3(14)	
9630 16092.03(2)	71.1(19)		9659 16075.79(3)	11.6(6)	
9631 16091.83(3)	19.3(18)	4.5(4)	9660 16075.47(3)	7.4(6)	S- 3F-2B (0-7) Q5
9632 16091.44(4)	4.5(4)		9661 16074.91(2)	8.9(4)	
9633 16090.19(3)	12.5(3)		9662 16074.452(14)	282.4(6)	
9634 16089.07(3)	4.7(3)	6.5(3)	9663 16073.969(17)	25.9(4)	<b>T- 3c-2a (3-3) Q2</b>
9635 16088.21(3)	13.2(3)		9664 16073.49(3)	4.8(4)	
9636 16087.77(3)	6.5(3)		9665 16072.98(2)	8.2(4)	
9637 16087.30(5)	3.3(4)	84.3(5)	9666 16070.721(15)	69.2(6)	S+ EF-2B (20-3) R3 S- 3F-2C (3-1) P4 <b>T+ 3b-2a (8-3) P5</b>
9638 16086.94(2)	84.3(5)		9667 16070.40(3)	9.2(6)	
9639 16086.64(3)	9.0(5)		9668 16069.85(2)	8.5(4)	
9640 16086.12(2)	168.7(7)	9.7(3)	9669 16069.13(4)	3.1(4)	<b>T- 3c-2a (3-3) Q2</b>
9641 16085.70(3)	9.7(3)		9670 16068.71(2)	8.4(4)	
9642 16085.21(3)	5.2(3)		9671 16068.08(3)	5.3(5)	
9643 16084.63(3)	9.1(5)	10.1(5)	9672 16067.73(2)	24.3(7)	S+ EF-2B (20-3) R3 S- 3F-2C (3-1) P4 <b>T+ 3b-2a (8-3) P5</b>
9644 16083.75(3)	10.1(5)		9673  <b>16067.397(13)</b>	931.6(12)	
9645 16082.42(5)	3.5(5)		9674 16067.02(2)	17.4(5)	
9646 16081.23(4)	5.3(6)	18.0(5)	9675 16066.588(18)	27.1(5)	<b>T- 3c-2a (3-3) Q2</b>
9647 16080.90(2)	18.0(5)		9676 16066.283(19)	18.0(5)	
9648  <b>16080.441(14)</b>	807.2(9)		9677 16065.35(3)	4.4(4)	
9649 16080.075(15)	143.3(6)	<b>T- 3c-2a (0-0) Q18</b> <b>T+ 3c-2a (2-2) P5</b>	9678  <b>16064.666(15)</b>	57.3(4)	S+ EF-2B (20-3) R3 S- 3F-2C (3-1) P4 <b>T+ 3b-2a (8-3) P5</b>
9650 16079.748(16)	60.4(7)		9679 16063.88(5)	2.7(5)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9680 16063.56(2)	9.5(5)	<b>T+ 3c-2a (1-1) P9</b>	9710 16045.62(2)	409(4)	T+ 3d-2c (2-2) Q10 S+ EF-2B (20-3) P1
9681 16063.03(3)	6.3(5)		9711 16045.25(3)	21.7(9)	
9682 <b>16062.636(14)</b>	457.0(7)		9712 16044.82(3)	10.8(7)	
9683 16062.22(3)	13.3(9)		9713 16044.35(11)	1.9(8)	
9684 16061.99(3)	10.2(10)		9714 16043.98(4)	7.0(8)	
9685 16059.839(18)	26.5(5)	<b>T+ 3c-2a (0-0) P12</b>	9715 16043.29(3)	26.4(8)	<b>T- 3c-2a (3-3) Q4</b>
9686 16059.46(4)	96(60)		9716 <b>16042.853(19)</b>	1129.9(15)	
9687 16059.40(2)	304(60)		9717 16042.49(2)	99.8(11)	
9688 16058.92(2)	9.3(4)		9718 16042.18(4)	15.7(12)	
9689 16058.200(18)	15.7(4)		9719 16041.89(3)	24.1(12)	
9690 16057.54(4)	3.8(4)	S- 3E-2B (2-10) Q3	9720 16041.47(4)	7.7(8)	T+ 3d-2c (4-4) R3
9691 16057.17(3)	10.5(7)		9721 16040.71(2)	41.8(8)	
9692 <b>16056.861(14)</b>	557.8(16)		9722 16040.29(7)	3.2(7)	
9693 16056.60(2)	44.5(10)		9723 16039.68(2)	187.7(8)	
9694 16056.35(3)	10.4(12)		9724 16038.14(2)	173(11)	
9695 16055.178(15)	59.6(5)	<b>T- 3c-2a (3-3) Q3</b>	9725 16038.00(2)	199(11)	T+ 3d-2c (3-3) P5
9696 16053.98(2)	11.8(5)		9726 16036.27(2)	72.7(9)	
9697 16052.70(4)	6.3(7)		9727 16035.92(3)	29.6(9)	
9698 16052.40(3)	8.9(7)		9728 16035.41(3)	25.6(10)	
9699 16051.844(15)	81.2(5)		9729 16035.10(3)	23.9(10)	
9700 16050.64(2)	9.9(5)	<b>T+ 3d-2c (4-4) R1</b>	9730 16034.35(3)	11.9(9)	<b>T+ 3c-2a (2-2) P6</b>
9701 <b>16050.071(15)</b>	72.7(6)		9731 <b>16033.887(19)</b>	929.7(17)	
9702 16049.73(2)	19.4(6)		9732 16033.54(2)	60.4(12)	
9703 16048.703(18)	50.6(6)		9733 16033.18(2)	37.2(10)	
9704 16047.86(2)	51.3(12)		9734 16032.59(3)	18.9(8)	
9705 16047.58(2)	95.5(12)	<b>T+ 3d-2c (4-4) R2</b>	9735 16031.64(2)	29.4(8)	S+ WX-2B (0-4) P1
9706 16047.12(6)	3.7(7)		9736 16031.21(2)	92.1(8)	
9707 16046.67(6)	3.4(7)		9737 16030.55(3)	11.7(8)	
9708 16046.05(2)	141(4)		9738 16027.70(3)	26(3)	
9709 16045.84(3)	115(3)		9739 16027.52(3)	44(3)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9740 16026.65(2)	29.7(5)		9770 16011.783(16)	146.0(5)	16011.79
9741 16025.93(4)	6.2(5)		9771 16011.30(2)	24.9(10)	
9742 16025.469(19)	529.4(7)	<b>T- 3c-2a (3-3) Q5</b>	9772 16010.24(2)	28.6(10)	16010.25
9743 16024.99(3)	8.5(5)		9773 16009.21(6)	4.4(10)	
9744 16024.52(2)	72.1(5)		9774 16007.18(5)	6.0(10)	
9745 16024.03(2)	110(3)	T+ 3d-2c (3-3) Q7	9775 16006.76(3)	19.4(10)	
9746 16023.85(2)	71(3)		9776 <b>16006.323(18)</b>	72.2(10)	16006.33
9747 16023.46(3)	8.4(5)		9777 16005.287(19)	52.4(10)	
9748 16022.90(2)	126(10)	<b>T+ 3d-2c (4-4) R4</b>	9778 <b>16004.807(16)</b>	907.3(12)	16004.83
9749 16022.78(3)	51(10)		9779 16004.37(3)	26.7(13)	
9750 16022.19(2)	50.7(9)	<b>T- 3c-2a (0-0) Q19</b>	9780 <b>16004.024(16)</b>	757.7(13)	16004.02
9751 16021.88(3)	67(5)		9781 16003.580(17)	152.0(11)	
9752 16021.72(3)	39(5)		9782 16003.200(17)	399(2)	16003.20
9753 16021.10(3)	7.3(5)		9783 16002.91(3)	59(4)	
9754 16018.86(3)	6.8(3)		9784 16002.70(2)	86(5)	
9755 16018.225(18)	46.1(5)		9785 16001.437(19)	128(3)	
9756 16017.93(2)	19.3(5)		9786 16001.233(18)	241(3)	
9757 16017.39(2)	62.1(18)	16017.40	9787 16000.155(16)	280.6(10)	16000.14
9758 16017.15(3)	55(2)		9788 15998.33(2)	8.6(3)	
9759 16016.95(4)	17(4)		9789 15997.75(2)	9.6(3)	
9760 16016.34(2)	15.4(5)		9790 <b>15997.337(17)</b>	195.5(10)	15997.33
9761 16016.019(19)	51.9(5)				
9762 16015.681(17)	78.3(5)	<b>T+ 3b-2a (6-2) R1</b>	9791 15997.064(19)	153(2)	15997.03
9763 16014.884(18)	24.0(3)		9792 15996.89(2)	61(3)	
9764 16014.271(18)	204(3)	<b>T+ 3c-2a (3-3) P2</b>	9793 15996.36(3)	7.3(4)	
9765 16013.979(17)	219(3)	<b>T+ 3b-2a (6-2) R2</b>	9794 15996.06(3)	8.4(4)	
9766 16013.64(4)	5.7(6)		9795 15995.65(3)	4.4(3)	
9767 16013.037(19)	26.4(4)		9796 <b>15994.952(16)</b>	110.6(3)	15994.97
9768 16012.71(4)	4.9(4)		9797 15992.92(4)	3.7(5)	
9769 16012.12(2)	13.3(4)		9798 15992.041(15)	36.3(5)	15992.02

S+ EF-2B (18-2) R1

**T+ 3c-2a (4-4) R6**

S+ EF-2B (29-8) R1

**T+ 3d-2c (4-4) Q2****T+ 3c-2a (4-4) R5**

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9799 15990.38(3)	7.2(5)	S+ EF-2B (20-3) P3	9829 15968.77(2)	12.6(6)	S+ EF-2B (18-2) P1
9800 15989.95(2)	11.0(5)		9830 15968.405(17)	83(3)	
9801 15989.24(3)	7.6(5)		9831 15968.23(2)	44(3)	
9802 15988.171(18)	17.7(5)		9832 15967.703(15)	34.0(4)	
9803 15987.412(13)	259.3(6)	T+ 3c-2a (4-4) R4	9833 15966.51(3)	6.0(4)	T- 3c-2a (0-0) Q20
9804 15986.59(2)	13.2(5)		9834 15965.97(5)	2.2(4)	
9805 15985.519(16)	54.1(12)	S+ EF-2B (18-2) R3	9835 15965.29(2)	7.2(4)	
9806 15985.28(2)	23.8(12)		9836 15964.61(4)	3.8(5)	
9807 15984.679(13)	410.3(6)	T+ 3c-2a (2-2) P7	9837 15964.216(16)	30.1(5)	T+ 3c-2a (4-4) R2
9808 15984.05(2)	13.1(7)		9838 15963.774(18)	37.4(14)	
9809 15983.735(17)	30.2(7)		9839 15963.56(2)	17.9(15)	
9810 15983.34(2)	20.3(9)		9840 15962.84(2)	10.2(6)	
9811 15982.97(3)	12.1(9)	T- 3c-2a (3-3) Q7	9841 15962.53(3)	8.6(6)	T+ 3b-2a (6-2) P1
9812 15980.867(13)	370.5(9)		9842 15962.132(14)	56.8(5)	
9813 15980.336(15)	229(5)		9843 15961.02(2)	34(2)	
9814 15980.137(14)	328(4)		9844 15960.84(3)	18(2)	T- 3c-2a (3-3) Q8
9815 15979.76(2)	23.0(10)	T+ 3c-2a (4-4) R3	9845 15960.293(13)	263.3(6)	
9816 15979.38(2)	22.2(9)		9846 15959.84(3)	4.3(5)	
9817 15977.82(3)	19(2)		9847 15957.919(18)	105.6(8)	
9818 15977.566(13)	442(2)	T+ 3b-2a (8-3) P6	9848 15957.47(3)	22.2(9)	T+ 3b-2a (3-0) R2
9819 15977.11(4)	7.3(8)		9849 15957.105(18)	311.7(17)	
9820 15975.779(14)	133.6(15)		9850 15956.84(3)	27.8(17)	
9821 15975.514(15)	126.8(15)		9851 15954.59(2)	30.3(5)	T+ 3b-2a (3-0) R2 S+ EF-2B (29-8) P2
9822 15973.98(2)	17.7(8)	S+ GK-2B (5-10) R5	9852 15954.22(3)	13.5(5)	
9823 15972.88(2)	20.0(8)		9853 15953.789(17)	545.4(7)	
9824 15972.332(18)	30.0(8)		9854 15953.29(2)	44(3)	
9825 15970.58(3)	12.8(8)	T+ 3b-2a (3-0) R2 S+ EF-2B (29-8) P2	9855 15953.11(2)	50(3)	T+ 3b-2a (3-0) R1
9826 15970.09(2)	10.1(4)		9856 15952.722(17)	144.6(6)	
9827 15969.560(14)	186(3)		9857 15949.21(2)	12.0(5)	
9828 15969.383(16)	86(3)		9858 15948.806(18)	58.6(5)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9859 15948.398(19)	45.7(5) 15948.43	<b>T+ 3b-2a (3-0) R3</b> S+ EF-2B (18-2) R5	9889 15924.711(17)	32.5(5)	<b>T- 3c-2a (3-3) Q9</b>
9860 15947.108(19)	37.4(5) 15947.07		9890 15924.04(3)	12.4(8)	
9861 <b>15946.635(18)</b>	86.4(5) 15946.66		9891 15923.706(15)	253.2(8) 15923.70	
9862 15946.22(2)	20.5(5)		9892 15923.19(2)	20.8(9)	
9863 15945.65(3)	9.2(5)		9893 15922.89(4)	12.3(8)	
9864 15944.74(2)	26.5(5) 15944.73		9894 15922.55(3)	37.7(18)	
9865 15944.35(4)	5.0(5)		9895 15922.314(16)	168(2) 15922.32	
9866 15943.89(4)	5.5(5)		9896 15921.91(4)	6.1(6)	
9867 15943.450(17)	231.8(11) 15943.44		9897 15919.49(3)	7.1(6)	
9868 15943.20(2)	36.9(11)		9898 15919.14(2)	18.5(6)	
9869 <b>15942.835(17)</b>	140.1(6) 15942.82	<b>T+ 3b-2a (6-2) R5</b>	9899 15918.609(15)	200.8(6) 15918.60	<b>T+ 3c-2a (4-4) R0</b>
9870 15942.40(3)	6.4(5)		9900 15917.70(2)	51(2)	
9871 15941.91(3)	5.9(5)		9901 15917.50(2)	50(2)	
9872 <b>15941.196(18)</b>	127.9(9) 15941.20		9902 15917.03(3)	10.1(5)	
9873 15940.61(3)	15.0(9)		9903 15915.64(5)	3.3(5)	
9874 15938.62(3)	13.9(9)		9904 15914.408(17)	27.5(3)	
9875 <b>15937.920(17)</b>	479.4(12) 15937.92		9905 15913.606(15)	80.6(4)	
9876 15936.81(2)	23.8(9)		9906 15913.250(16)	157.1(10) 15913.25	
9877 15934.969(18)	54.5(10) 15934.95		9907 15913.01(4)	6.4(11)	
9878 15933.352(17)	75.9(10)		9908 15912.468(15)	90.9(4) 15912.45	
9879 15932.913(15)	845.6(13) 15932.92	<b>T+ 3c-2a (2-2) P8</b>	9909 15911.94(3)	8.1(8)	S+ EF-2B (16-1) R2
9880 15932.42(3)	26.1(12)		9910 15911.70(3)	8.8(8)	
9881 15932.083(19)	52.8(12) 15932.10		9911 15910.93(2)	8.1(3)	
9882 15931.560(19)	38.0(10) 15931.55		9912 15909.91(3)	3.7(3)	
9883 15930.591(15)	175.2(10) 15930.61		9913 15909.38(3)	4.7(4)	
9884 15929.72(3)	9.9(9)		9914 15909.01(3)	6.9(4)	
9885 15928.555(15)	220.2(12) 15928.57		9915 15908.41(3)	5.3(3)	
9886 15928.21(3)	19.1(12)		9916 15907.37(3)	6.0(3)	
9887 15927.84(2)	28.6(11)		9917 15906.905(18)	19.7(3) 15906.89	
9888 15926.01(4)	4.8(5)		9918 15906.32(3)	3.6(3)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9919 15905.84(2)	6.7(3)	<b>T+ 3b-2a (3-0) R5</b>	9948 15887.34(3)	13.3(7)	<b>T- 3c-2a (4-4) Q2</b>
9920 15905.398(19)	15.2(3)		9949 15886.14(3)	6.4(6)	
9921 15904.685(15)	84.7(3)		9950 15883.17(2)	27.5(7)	
9922 15904.04(3)	5.9(3)		9951 15882.83(4)	8.3(7)	
9923 15903.43(2)	10.5(3)		9952 15882.369(18)	437.2(7)	
9924 15902.21(2)	12.7(4)	S+ EF-2B (16-1) R3	9953 15881.92(3)	11.7(6)	<b>T+ 3c-2a (2-2) P9</b>
9925 15900.93(2)	14.5(4)		9954 15881.43(3)	9.8(6)	
9926 15900.39(2)	24.7(4)		9955 15881.012(18)	338.9(7)	
9927 15899.81(4)	4.1(4)		9956 15880.54(3)	11.9(6)	
9928 15898.94(2)	28.8(7)		9957 15880.02(3)	13.6(6)	
9929 15897.79(4)	7.4(7)	<b>T+ 3b-2a (6-2) R6</b>	9958 15879.55(2)	42.2(6)	S+ EF-2B (16-1) P1
9930 15897.281(18)	222.2(7)		9959 15879.12(4)	8.0(6)	
9931 15896.79(3)	19.0(7)		9960 15878.732(18)	275.6(9)	
9932 15896.38(3)	12.2(7)		9961 15878.43(3)	21.6(9)	
9933 15895.51(2)	29.4(8)		9962 15877.53(2)	24.4(6)	
9934 15895.144(18)	277.2(9)	<b>T+ 3c-2a (3-3) P5</b>	9963 15876.89(4)	7.8(7)	<b>T+ 3b-2a (8-3) P7</b>
9935 15894.65(3)	40(6)		9964 15876.541(19)	83.3(7)	
9936 15894.49(2)	260(6)		9965 15876.18(3)	9.6(7)	
9937 15894.07(3)	15.3(8)		9966 15874.99(3)	15.0(5)	
9938 15893.56(2)	76.5(15)		9967 15873.22(3)	25.0(7)	<b>T- 3c-2a (4-4) Q3</b>
9939 15893.31(4)	10.4(15)	<b>T- 3c-2a (3-3) Q10</b>	9968 15872.96(3)	12.8(6)	
9940 15892.77(4)	8.3(7)		9969 15872.54(4)	6.3(4)	
9941 15892.32(2)	74(3)		9970 15872.08(2)	263.5(9)	
9942 15892.13(3)	27(3)		9971 15871.67(3)	11.0(4)	
9943 15891.39(2)	43.1(7)	<b>T- 3c-2a (4-4) Q1</b> S+ GK-2B (3-8) R3	9972 15869.49(3)	17.8(7)	<b>T+ 3b-2a (3-0) R6</b> S+ EF-2B (18-2) P4
9944 15890.662(18)	283.8(7)		9973 15868.99(3)	149.9(9)	
9945 15890.02(3)	12.2(7)		9974 15868.64(3)	22.7(9)	
9946 15889.228(18)	152.1(7)		9975 15866.50(3)	106.5(9)	
9947 15888.64(3)	10.2(7)		9976 15866.17(3)	62.3(9)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
9977 15865.16(3)	20.1(7) 15865.16		10005 15846.84(5)	7.4(5)	S+ EF-2B (29-8) P5
9978 15863.71(3)	20.1(7)		10006 15846.09(6)	5.1(5)	
9979 15862.76(4)	12.4(7) 15862.76		10007 15844.99(6)	5.7(5)	
9980 15862.02(4)	10.3(7)		10008 15843.93(8)	3.4(7)	
9981 15860.83(4)	10.6(7)		10009 15843.02(8)	3.2(7)	
9982 15859.68(3)	57.7(8) 15859.65	<b>T+ 3b-2a (6-2) P3</b>	10010 15842.12(6)	7.0(7)	
9983 15859.32(4)	9.5(8)		10011 15841.51(4)	251.4(7) 15841.55	
9984 15858.80(3)	28.0(12)	<b>T- 3c-2a (4-4) Q4</b>	10012 15841.00(4)	206.1(7) 15841.02	<b>T- 3c-2a (4-4) Q5</b> <b>T+ 3b-2a (6-2) R7</b>
9985 15858.48(2)	588.7(15) 15858.52		10013 15839.86(5)	16.1(7)	
9986 15858.03(4)	12.8(8)	S+ EF-2B (20-3) P6	10014 15839.28(5)	19.5(7) 15839.22	S+ GK-2B (6-11) R1 S+ GK-2B (4-9) P3
9987 15857.45(3)	17.7(8)		10015 15838.39(5)	19.8(7) 15838.45	
		<b>T- 3f-2c (1-2) R2</b>	10016 15837.45(5)	19.1(7)	<b>T- 3f-2c (0-1) Q5</b>
9988 15857.02(3)	88(4) 15857.04	<b>T- 3c-2a (3-3) Q11</b>	10017 15837.02(5)	35.5(16)	
9989 15856.83(4)	37(4)		10018 15836.78(5)	32.2(16)	<b>T+ 3b-2a (3-0) P2</b>
9990 15855.17(6)	5.7(9)		10019 15836.12(5)	16.4(7)	
9991 15854.82(3)	115.5(9) 15854.81		10020 15835.20(4)	42.2(7) 15835.18	
9992 15854.14(4)	13.9(8)		10021 15834.18(4)	67.0(7) 15834.19	
9993 15853.22(3)	27.7(8) 15853.17	S+ EF-2B (16-1) P2	10022 15832.49(4)	40.8(7) 15832.47	<b>T+ 3c-2a (4-4) P2</b>
9994 15852.76(4)	12.5(8)		10023 15831.89(5)	9.8(7)	
9995 15852.02(3)	15.2(8)		10024 15831.35(4)	109.6(5) 15831.35	
9996 15851.44(4)	11.1(8)		10025 15830.96(5)	12.2(7)	
9997 15850.05(4)	17.7(5)		10026 15828.60(5)	7.6(5)	<b>T+ 3b-2a (3-0) R7</b> S+ EF-2B (18-2) P5
9998 15849.64(5)	9.8(6)	<b>T+ 3c-2a (3-3) P6</b> S+ GK-2B (3-8) R0	10027 15828.18(4)	22.0(5)	
9999 15849.21(4)	487.7(8) 15849.22		10028 15827.60(5)	9.1(5)	
			10029 15825.29(4)	6.2(7)	
10000 15848.77(5)	10.5(6)		10030 15824.83(3)	10.4(7)	
10001 15848.34(5)	19.6(7)		10031 15824.22(2)	24.4(7) 15824.23	
10002 15848.04(5)	14.3(7)		10032 15823.73(2)	69.0(7) 15823.70	
10003 15847.63(4)	109(3) 15847.63				
10004 15847.44(5)	46(3)		10033 15823.25(3)	19.7(7)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10034 15822.75(2)	36.1(7) 15822.78		10062 15804.92(2)	25.0(4) 15804.92	
10035 15822.264(19)	399.4(8) 15822.25		10063 15804.53(3)	22.6(6)	
10036 15821.84(3)	12.7(8)		10064 15804.25(3)	12.5(7)	
10037 15821.409(19)	395.5(8) 15821.42	S+ GK-2B (3-8) P1 <b>T- 3c-2a (4-4) Q6</b> S+ GK-2B (5-10) R0	10065 15803.59(3)	7.1(4)	
			10066 15802.62(7)	2.7(7)	
			10067 15802.10(7)	3.4(8)	
10038 15820.86(3)	11.9(7)		10068 15801.75(3)	17.4(8) 15801.75	
10039 15820.22(3)	23.8(7) 15820.21		10069 15800.55(3)	17.3(8)	
10040 15819.80(2)	27.3(7)		10070 15800.19(2)	54.1(8) 15800.18	
10041 15818.51(3)	20.4(7) 15818.52	S+ EF-2B (16-1) P3	10071 15799.74(2)	38.7(7) 15799.75	
10042 15817.77(3)	19.9(7) 15817.79		10072 15799.14(2)	202.0(7) 15799.13	<b>T+ 3c-2a (3-3) P7</b>
10043 15817.21(3)	15.7(8)		10073 15798.11(2)	151.1(7) 15798.09	<b>T- 3c-2a (4-4) Q7</b>
10044 15816.83(2)	199.3(8) 15816.82		10074 15797.68(3)	17.8(7)	
10045 15816.31(2)	141.5(5) 15816.30	<b>T- 3c-2a (3-3) Q12</b>	10075 15796.45(2)	115.8(16) 15796.46	<b>T+ 3b-2a (6-2) P4</b>
10046 15814.80(2)	23.0(6) 15814.77		10076 15796.21(2)	94.9(16) 15796.22	<b>T+ 3c-2a (4-4) P3</b>
10047 15814.51(5)	4.7(6)		10077 15795.23(3)	8.8(7)	
10048 15814.16(3)	6.5(5)		10078 15794.14(4)	5.9(7)	
10049 15813.44(2)	15.8(4) 15813.43		10079 15793.15(3)	10.2(7)	
10050 15812.74(5)	2.3(4)		10080 15791.24(3)	20.2(5)	
10051 15812.02(3)	18.7(6)		10081 15790.87(5)	5.2(5)	
10052 15811.74(3)	18.4(6)	S+ 3E-2C (2-0) P2	10082 15789.34(4)	5.2(5)	
10053 15811.21(3)	6.8(4)		10083 15788.71(3)	11.9(5)	
10054 15810.12(2)	12.5(4) 15810.16		10084 15787.69(3)	119.3(6) 15787.72	
10055 15809.18(4)	3.5(4)		10085 15786.11(3)	19.8(6) 15786.15	
10056 15808.74(4)	3.5(4)		10086 15785.36(4)	17.5(9)	
10057 15807.78(4)	3.0(4)	S+ EF-2B (29-8) P6	10087 15785.10(4)	12.3(9)	
10058 15807.18(2)	21.9(6)		10088 15784.05(3)	32.7(6) 15784.09	<b>T- 3f-2c (2-3) R1</b>
10059 15806.89(3)	8.4(6)		10089 15783.55(3)	15.2(6) 15783.49	<b>T- 3f-2c (1-2) Q4</b>
10060 15806.25(2)	18.7(4)		10090 15782.87(3)	14.2(6) 15782.85	S+ GK-2B (3-8) P3
10061 15805.89(3)	11.0(4)	<b>T- 3f-2c (0-1) Q3</b>	10091 15782.15(3)	14.5(6)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10092 15781.34(3)	42.2(6) 15781.36	<b>T+ 3b-2a (3-0) P3</b> S+ EF-2B (16-1) P4	10122 15762.47(3)	16.6(4) 15762.45	<b>T+ 3c-2a (4-4) P4</b>
10093 15779.25(4)	8.0(6)		10123 15761.30(3)	19.1(5) 15761.30	
10094 15778.81(5)	4.6(6)		10124 15758.17(2)	239.9(6) 15758.13	
10095 15778.31(3)	32.3(6) 15778.30		10125 15757.33(3)	15.9(5) 15757.34	
10096 15777.65(5)	5.3(6)		10126 15756.80(3)	10.1(5) 15756.83	
10097 15777.19(3)	274.4(7) 15777.17		10127 15753.49(3)	37.4(5) 15753.50	
10098 15776.55(4)	9.1(6)		10128 15753.10(4)	10.4(5)	
10099 15775.58(3)	20.7(7)		10129 15752.66(3)	43.4(5) 15752.66	
10100 15775.25(3)	55.3(5)	<b>T- 3c-2a (3-3) Q13</b>	10130 15751.98(5)	3.8(5)	
10101 15774.16(3)	114.2(4) 15774.17	S+ GK-2B (7-12) R0	10131 15750.98(2)	191.1(6) 15750.95	
10102 15773.67(3)	9.6(4)		10132 15749.84(4)	6.0(5)	
10103 15772.45(3)	33.0(9) 15772.41	S+ EF-2B (18-2) P6	10133 15749.16(3)	36.8(3) 15749.15	
10104 15772.20(3)	33.7(9)	<b>T- 3f-2c (1-2) Q3</b>	10134 15748.38(4)	4.5(3)	<b>T+ 3c-2a (3-3) P8</b>
10105 15771.78(3)	218.6(6) 15771.77	<b>T- 3c-2a (4-4) Q8</b>	10135 15747.92(5)	2.5(3)	
10106 15771.33(4)	5.4(4)		10136 15747.26(4)	5.6(3)	
10107 15770.62(3)	19.9(5) 15770.63		10137 15746.34(4)	4.3(3)	
10108 15770.28(4)	8.1(5)		10138 15745.78(3)	35.6(11) 15745.74	
10109 15769.66(4)	6.2(4)		10139 15745.56(3)	16.5(11)	
10110 15768.99(3)	72.6(5) 15768.99	<b>T+ 3b-2a (3-0) R8</b>	10140 15745.05(3)	41.6(4) 15745.07	
10111 15768.65(3)	12.0(5)		10141 15744.72(4)	5.8(4)	
10112 15767.68(3)	28.8(4) 15767.68		10142 15743.64(3)	38.0(6)	
10113 15766.98(4)	8.1(4)		10143 15743.37(3)	24.5(6)	
10114 15766.20(3)	106.9(12) 15766.19		10144 15742.43(2)	70.0(4) 15742.46	<b>T- 3c-2a (4-4) Q9</b>
10115 15765.97(4)	11.8(12)		10145 15740.65(3)	14.8(3)	
10116 15765.43(3)	22.4(4) 15765.47		10146 15739.21(4)	4.5(3)	
10117 15764.76(4)	5.5(4)	S+ GK-2B (3-8) P4	10147 15738.20(5)	4.7(4)	
10118 15764.16(3)	9.7(4)		10148 15737.31(5)	4.1(4)	
10119 15763.56(2)	143.5(4) 15763.55		10149 15736.26(3)	20.0(4) 15736.34	
10120 15763.17(3)	15.6(5)		10150 15735.78(3)	116.6(4) 15735.79	
10121 15762.85(4)	8.0(5)	<b>T- 3f-2c (1-2) Q2</b>	10151 15735.39(3)	31.2(4)	<b>T- 3f-2c (2-3) Q3</b>

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10152 15734.80(3)	89.2(4) 15734.79	S+ GK-2B (0-6) R2	10182 15716.13(3)	36.7(4) 15716.14	S+ EF-2B (18-2) P7
10153 15733.85(4)	16.2(4) 15733.88	S+ EF-2B (16-1) P5	10183 15715.71(3)	46.3(4) 15715.71	
10154 15733.38(7)	1.9(4)		10184 15715.03(3)	45.5(10) 15715.04	
10155 15732.55(4)	7.5(3)		10185 15714.78(4)	35.4(9)	
10156 15732.18(6)	3.2(3)		10186 15714.30(4)	14.8(4)	
10157 15731.68(3)	82.7(3) 15731.72	<b>T- 3c-2a (3-3) Q14</b>	10187 15711.939(18)	37.9(5) 15711.93	<b>T- 3c-2a (4-4) Q10</b> <b>T- 3c-2a (5-5) Q1</b>
10158 15731.03(4)	11.1(3) 15731.04	S+ GK-2B (0-6) R0	10188 15711.55(2)	20.1(5)	
10159 15730.13(3)	27.4(4) 15730.05		10189 15710.299(16)	99.7(5) 15710.30	
10160 15729.81(4)	19.7(4)		10190 15709.528(17)	47.5(5) 15709.53	
10161 15729.08(4)	28.0(14) 15729.06	<b>T- 3f-2c (2-3) Q2</b>	10191 15708.78(2)	15.9(5)	
10162 15728.88(5)	12.2(14)		10192 15708.386(15)	151.0(6) 15708.42	<b>T+ 3b-2a (3-0) R9</b> S+ GK-2B (0-6) P1
10163 15728.44(3)	46.5(3) 15728.45		10193 15706.63(3)	7.1(5)	
10164 15727.50(4)	19.6(7)		10194 15706.195(18)	52.0(8) 15706.19	
10165 15727.25(4)	15.1(7)		10195 15705.90(3)	10.5(8)	
10166 15726.21(5)	3.3(3)	S+ GK-2B (0-6) R3	10196 15705.42(3)	6.2(5)	
10167 15725.45(3)	27.0(3) 15725.40		10197  <b>15704.962(19)</b>	25.8(5)	<b>T- 3c-2a (5-5) Q2</b>
10168 15725.04(5)	6.4(4)		10198 15704.18(3)	6.0(5)	
10169 15724.73(5)	5.4(4)		10199 15703.69(2)	15.0(6)	
10170 15723.66(3)	23.0(3) 15723.64		10200 15703.281(18)	48.1(6) 15703.27	
10171 15723.05(3)	44.9(3) 15723.06	<b>T+ 3b-2a (6-2) P5</b>	10201 15702.850(16)	126.8(8) 15702.86	
10172 15722.46(4)	14.7(3)		10202 15702.544(16)	207.9(9)	<b>T- 3f-2c (3-4) Q3</b>
10173 15721.89(3)	16.6(3) 15721.93		10203 15702.030(19)	40.8(8) 15702.06	
10174 15721.03(5)	3.0(3)		10204 15701.73(3)	9.0(8)	
10175 15720.28(4)	8.0(4)	<b>T+ 3b-2a (3-0) P4</b>	10205 15700.750(19)	24.7(5)	
10176 15719.17(3)	80.5(4) 15719.18		10206 15700.281(16)	79.0(6) 15700.29	
10177 15718.54(6)	3.1(4)		10207 15696.810(17)	50.9(6) 15696.79	<b>T- 3f-2c (3-4) Q3</b>
10178 15718.11(4)	10.3(4) 15718.08		10208 15696.42(2)	23.7(6) 15696.41	
10179 15717.55(3)	40.1(7)		10209 15695.86(2)	47.4(14) 15695.85	
10180 15717.25(3)	160.2(7) 15717.25	<b>T+ 3c-2a (4-4) P5</b>	10210 15695.63(2)	27.4(14)	
10181 15716.62(4)	7.4(4)		10211 15694.20(2)	10.4(5)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
10212 15693.55(3)	5.8(5)		<b>T- 3c-2a (5-5) Q3</b> T- 3f-2c (3-4) Q2	10242 15673.556(13)	252.0(6)	15673.57	<b>T+ 3c-2a (4-4) P6</b>
10213 15692.877(16)	80.3(5)	15692.86		10243 15673.14(3)	4.8(4)		
10214 15692.04(2)	21.1(10)			10244 15670.20(2)	6.6(3)		
10215  <b>15691.84(2)</b>	19.6(10)		<b>T- 3f-2c (3-4) Q2</b>	10245 15668.749(18)	13.8(3)	15668.74	
10216 15691.272(17)	25.3(3)	15691.27		10246 15668.24(2)	7.6(3)		
10217 15690.90(3)	5.5(3)			10247 15666.76(2)	4.8(2)		
10218 15690.044(18)	25.1(4)			10248 15665.81(7)	0.9(2)		
10219 15689.73(2)	15.7(3)			10249 15664.847(18)	9.1(2)		
10220 15689.38(3)	7.5(3)			10250 15664.050(16)	19.2(2)		
10221 15688.96(2)	6.9(3)			10251 15663.42(3)	9.3(9)		
10222 15687.69(3)	5.0(6)			10252 15663.162(15)	84.3(13)	15663.17	<b>T- 3c-2a (5-5) Q5</b>
10223 15687.44(13)	0.8(6)			10253 15662.73(4)	2.5(2)		
10224 15686.81(8)	0.8(2)			10254 15661.883(13)	19.8(3)	15661.88	
10225 15685.883(18)	17.5(3)	15685.91		10255 15660.452(19)	10.8(7)		
10226 15685.48(3)	5.9(3)			10256 15660.178(12)	22.2(7)		
10227 15683.92(3)	8.2(5)			10257 15659.552(17)	8.9(4)		
10228 15683.593(15)	59.6(5)	15683.60		10258 15659.163(16)	10.1(4)		<b>T- 3f-2c (1-2) P4</b>
10229 15683.096(18)	16.3(4)		S+ GK-2B (0-6) P2	10259 15658.669(9)	30.9(4)	15658.68	
10230 15682.07(4)	2.9(4)			10260 15658.19(2)	6.5(4)		
10231 15681.355(15)	39.5(4)	15681.33		10261 15657.82(2)	5.7(4)		
10232 15680.970(17)	19.8(4)	15680.96		10262 15656.790(10)	26.3(5)	15656.79	
10233 15680.49(2)	9.9(4)			10263 15656.414(12)	39.5(10)		
10234 15680.085(19)	16.0(4)			10264 15656.171(10)	43.8(11)		
10235 15679.607(14)	170.2(6)	15679.60	<b>T- 3c-2a (5-5) Q4</b>	10265 15654.947(16)	19.2(13)		
10236 15679.23(2)	13.0(4)			10266 15654.72(4)	8.2(12)		S+ GK-2B (0-6) P3
10237 15678.50(4)	2.8(4)			10267 15654.357(15)	13.0(5)		
10238 15677.969(19)	10.0(3)	15677.97		10268 15653.446(9)	59.0(12)	15653.45	
10239 15677.21(3)	4.7(3)			10269 15653.20(5)	4.1(11)		
10240 15675.418(15)	34.3(3)	15675.43	<b>T- 3c-2a (4-4) Q11</b>	10270 15652.084(9)	42.7(7)		
10241 15673.95(3)	5.0(4)			10271 15651.770(13)	75(3)	15651.77	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10272 15651.58(2)	29(4)	<b>T+ 3b-2a (3-0) P5</b>	10302 15625.84(4)	19.6(12)	<b>S+ GK-2B (0-6) P4</b> <b>T- 3c-2a (5-5) Q7</b>
10273 15650.867(7)	214.6(5)		10303 15625.60(4)	42.9(9)	
10274 15650.196(12)	15.3(4)		10304 15625.36(3)	37.1(12)	
10275 15647.887(8)	39.0(4)		10305 15624.96(3)	20.8(3)	
10276 15647.042(12)	21.5(6)		10306 15624.08(3)	11.5(3)	
10277 15646.748(16)	12.8(6)		10307 15623.31(3)	30.5(4)	
10278 15645.888(19)	11.9(9)		10308 15622.07(5)	3.4(4)	
10279 15645.645(12)	28.7(9)		10309 15621.71(5)	4.1(4)	
10280 15644.717(18)	6.9(4)		10310 15621.29(3)	51.1(4)	
10281 15643.566(7)	140.9(5)		10311 15620.92(3)	60.7(4)	
10282 15643.118(13)	12.9(5)	<b>T- 3c-2a (5-5) Q6</b>	10312 15620.38(6)	2.0(3)	<b>T+ 3b-2a (9-4) R1</b>
10283 15642.681(8)	62.3(4)		10313 15619.47(8)	1.4(3)	
10284 15639.745(7)	67.8(4)		10314 15618.64(4)	12.0(5)	
10285 15638.590(8)	78.9(6)		10315 15618.33(4)	10.2(5)	
10286 15638.289(15)	17.4(6)	<b>T- 3c-2a (4-4) Q12</b>	10316 15617.56(4)	9.7(3)	
10287 15637.944(8)	59.6(4)		10317 15616.97(4)	7.5(4)	
10288 15637.265(10)	17.4(3)		10318 15616.59(3)	13.7(4)	
10289 15636.57(2)	4.3(3)		10319 15616.09(5)	3.7(3)	
10290 15636.15(4)	2.0(3)	<b>T+ 3b-2a (3-0) R10</b>	10320 15615.53(5)	3.1(3)	
10291 15635.072(16)	6.6(3)		10321 15614.77(3)	85.8(4)	
10292 15634.375(12)	10.5(3)		10322 15614.16(9)	1.1(3)	
10293 15633.20(4)	1.9(3)		10323 15612.51(3)	13.6(4)	
10294 15632.669(12)	10.6(3)		10324 15611.40(5)	4.5(4)	
10295 15631.971(8)	34.0(3)		10325 15610.83(3)	22.1(4)	
10296 15630.908(8)	35.4(3)		10326 15610.24(3)	31.1(5)	
10297 15629.06(3)	16.3(3)		10327 15609.87(3)	28.5(4)	
10298 15628.48(4)	3.8(3)		10328 15609.45(4)	15.5(5)	
10299 15627.42(3)	22.2(3)	<b>S+ EF-2B (16-1) P7</b> <b>T+ 3c-2a (4-4) P7</b>	10329 15609.11(3)	52.7(6)	<b>T+ 3b-2a (9-4) R0</b>
10300 15626.99(3)	116.2(4)		10330 15607.89(3)	66.5(4)	
10301 15626.42(3)	17.9(3)		10331 15607.43(3)	29.6(4)	



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
10332 15607.00(3)	26.1(4)	15606.99	<b>T+ 3b-2a (9-4) R2</b>	10362 15583.27(6)	12(5)	S+ GK-2B (0-6) P5	
10333 15606.17(4)	7.4(5)			10363 15583.16(4)	30(5)		
10334 15605.82(3)	20.5(5)	15605.75		10364 15581.81(4)	6.3(3)		
10335 15604.98(3)	38.5(5)	15604.93		10365 15581.31(4)	5.8(3)		
10336 15604.62(4)	15.4(4)			10366 15580.99(3)	14.3(3)		
10337 15604.19(6)	2.9(4)			10367 15580.26(3)	11.9(3)		
10338 15603.51(3)	16.1(3)	15603.54		10368 15579.93(3)	13.9(3)		
10339 15602.66(4)	4.4(3)			10369 15577.44(4)	4.5(4)		
10340 15601.32(6)	2.2(3)			10370 15577.13(4)	8.4(4)		
10341 15600.87(3)	12.2(3)	15600.89		10371 15576.70(3)	167.5(4)		
10342 15599.85(3)	77.2(4)	15599.88	<b>T- 3c-2a (5-5) Q8</b>	10372 15576.20(3)	43.1(3)	T+ 3c-2a (4-4) P8 T+ 3b-2a (9-4) R3	
10343 15598.26(3)	25.1(5)	15598.25		10373 15575.75(3)	18.7(4)		
10344 15597.96(4)	13.2(5)			10374 15575.43(3)	12.7(4)		
10345 15597.28(5)	2.6(2)			10375 15574.21(4)	6.3(3)		
10346 15596.21(4)	9.1(2)			10376 15573.80(3)	20.5(3)		
10347 15595.29(3)	101.1(11)	15595.30		10377 15573.02(3)	20.8(4)		
10348 15595.00(4)	22.5(8)			10378 15572.70(4)	4.7(4)		
10349 15594.45(3)	13.4(2)			10379 15571.40(3)	10.6(2)		
10350 15593.62(5)	2.7(3)			10380 15570.83(3)	33.8(3)		
10351 15593.16(3)	80.6(4)	15593.18		10381 15570.19(3)	18.6(3)		
10352 15591.29(3)	23.7(2)	15591.28	T+ 3b-2a (3-0) P6 T- 3c-2a (5-5) Q9	10382 15569.50(6)	1.6(2)	T+ 3b-2a (3-0) P6 T- 3c-2a (5-5) Q9	
10353 15590.73(3)	33.7(3)	15590.75		10383 15568.71(3)	23.2(3)		
10354 15590.00(4)	4.8(2)			10384 15567.85(3)	60.7(3)		
10355 15589.41(4)	4.4(2)			10385 15566.85(3)	29.8(3)		
10356 15588.02(3)	29.8(2)			10386 15565.28(4)	4.3(2)		
10357 15586.77(4)	12.1(5)	15586.74		10387 15564.38(3)	42.0(3)		
10358 15586.47(4)	8.8(5)			10388 15564.03(3)	13.0(3)		
10359 15585.03(3)	42.8(14)	15584.98		10389 15563.45(3)	14.5(3)		
10360 15584.85(4)	18.4(14)			10390 15562.98(4)	5.8(3)		
10361 15584.02(3)	14.8(3)	15584.05		10391 15562.26(3)	20.2(3)		
							T+ 3b-2a (9-4) P1

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10392 15561.17(3)	14.8(7)		10422 15539.65(4)	2.8(3)	
10393 15560.92(3)	75.1(7)		10423 15539.190(18)	95.3(3)	15539.18
10394 15557.56(4)	2.9(2)		10424 15538.24(2)	16.6(3)	15538.28
10395 15556.69(3)	28.3(3)		10425 15537.67(4)	2.7(3)	
10396 15556.19(4)	4.6(3)		10426 15536.36(2)	8.8(3)	15536.34
10397 15555.70(3)	14.8(2)		10427 15535.91(2)	10.1(3)	
10398 15555.04(4)	5.4(3)		10428 15535.587(19)	62.0(3)	15535.58
10399 15554.56(12)	0.8(3)		10429 15535.18(2)	41.9(10)	15535.17
10400 15554.20(13)	0.6(3)		10430 15534.97(4)	7.6(10)	
10401 15553.14(3)	4.3(3)		10431 15534.57(2)	24.7(3)	
10402 15552.70(3)	5.9(3)		10432 15533.981(18)	123.4(4)	15533.98
10403 15552.29(3)	22.5(12)		10433 15533.50(3)	3.5(3)	
10404 15552.08(3)	19.1(13)		10434 15533.43(4)	3.3(3)	
10405 15551.61(2)	8.7(3)		10435 15532.94(2)	25.4(3)	15532.96
10406 15550.638(19)	30.3(3)	15550.66	10436 15531.93(2)	17.3(3)	15531.93
10407 15550.18(2)	13.0(3)		10437 15531.42(3)	7.7(3)	
10408 15549.82(3)	10.1(3)		10438 15530.82(4)	4.2(4)	
10409 15549.378(18)	84.4(3)	15549.39	10439 15530.52(3)	10.9(4)	
10410 15548.38(4)	1.9(3)		10440 15529.58(3)	3.9(3)	
10411 15546.794(19)	35.9(3)	15546.77	10441 15529.113(18)	71.0(3)	15529.11
10412 15546.17(3)	3.1(3)		10442 15527.48(8)	1.0(3)	
10413 15545.77(3)	5.6(3)		10443 15526.91(3)	6.6(3)	
10414 15544.86(9)	0.7(3)		10444 15525.92(4)	2.7(3)	
10415 15544.38(2)	40.8(7)	15544.37	10445 15525.54(2)	13.5(3)	
10416 15544.15(3)	7.2(7)		10446 15525.14(2)	11.4(3)	
10417 15543.05(4)	2.2(3)		10447 15524.23(5)	1.9(3)	
10418 15542.49(2)	13.6(3)		10448 15523.78(7)	1.2(3)	
10419 15542.15(3)	3.5(3)		10449 15520.19(3)	33.81(16)	15520.17
10420 15541.37(2)	10.8(3)		10450 15519.39(3)	33.13(18)	15519.41
10421 15540.87(3)	3.9(3)		10451 15518.82(3)	76.0(2)	15518.82

**T- 3c-2a (6-6) Q2**  
S+ EF-2B (19-3) P2

S+ GK-2B (2-8) R3

**T+ 3b-2a (9-4) P2**  
**T- 3c-2a (6-6) Q3**

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10452 15518.43(4)	4.06(19)	S+ GK-2B (2-8) R2	10482 15499.94(3)	10.53(14)	S+ EF-2B (17-2) R1
10453 15518.10(4)	3.37(19)		10483 15499.43(3)	24.05(14)	
10454 15515.98(3)	6.34(14)		10484 15498.91(3)	10.85(14)	
10455 15515.09(3)	13.99(14)		10485 15498.48(3)	16.70(14)	
10456 15514.44(6)	0.86(14)		10486 15497.40(4)	2.32(13)	
10457 15513.93(3)	10.06(19)		10487 15496.64(3)	14.10(13)	
10458 15513.57(3)	34.4(5)		10488 15495.41(6)	4.6(13)	
10459 15513.32(4)	10.7(4)		10489 15495.23(4)	19.1(13)	
10460 15513.02(5)	2.7(3)		10490 15494.69(6)	1.44(17)	
10461 15511.45(4)	11.5(6)		10491 15494.28(4)	5.10(17)	
10462 15511.25(3)	28.8(6)	S 3B-EF (5-3) P3	10492 15493.84(3)	34.74(19)	S+ EF-2B (17-2) R2
10463 15510.67(4)	3.27(14)		10493 15493.38(4)	5.1(2)	
10464 15509.71(4)	4.2(3)		10494 15493.05(5)	3.6(2)	
10465 15509.43(3)	32.4(3)		10495 15492.31(4)	16.4(2)	
10466 15509.09(4)	3.65(18)		10496 15492.02(5)	2.6(2)	
10467 15508.38(3)	27.03(15)		10497 15491.22(4)	29.8(14)	
10468 15507.91(3)	12.19(18)		10498 15491.06(4)	17.2(14)	
10469 15507.59(3)	10.75(18)		10499 15490.50(3)	31.2(2)	
10470 15506.99(5)	2.00(15)		10500 15490.14(5)	1.91(19)	
10471 15506.51(3)	79.4(5)	T- 3c-2a (6-6) Q4	10501 15489.07(5)	2.15(19)	T- 3c-2a (6-6) Q5
10472 15506.27(4)	14.5(8)		10502 15488.71(3)	45.5(2)	
10473 15505.57(4)	2.56(13)		10503 15487.40(4)	12.2(8)	
10474 15504.24(3)	34.97(15)		10504 15487.21(4)	29.9(8)	
10475 15503.79(4)	3.21(14)		10505 15486.79(5)	4.24(19)	
10476 15502.56(4)	5.8(2)		10506 15486.43(4)	7.5(2)	
10477 15502.22(3)	12.51(19)		10507 15486.12(5)	3.3(2)	
10478 15501.75(3)	10.81(14)		10508 15484.84(4)	6.27(16)	S+ EF-2B (17-2) R3
10479 15501.27(3)	9.48(14)		10509 15483.54(4)	19.4(2)	
10480 15500.78(4)	3.02(17)		10510 15483.23(4)	9.4(2)	
10481 15500.40(3)	41.49(18)		10511 15482.81(4)	32.2(3)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10512 15482.49(4)	19.2(3)	S- 3E-2C (3-1) Q5	10542 15465.65(2)	11.20(17)	<b>T+ 3b-2a (9-4) P3</b>
10513 15482.21(4)	6.7(3)		10543 15465.29(2)	25.2(5)	
10514 15481.20(4)	5.55(14)		10544 15464.97(3)	6.6(2)	
10515 15480.80(4)	3.78(17)		10545 15464.51(3)	4.41(19)	
10516 15480.36(3)	63.89(15)		10546 15464.19(4)	1.9(2)	
10517 15479.66(5)	1.81(14)		10547 15463.45(3)	1.93(12)	
10518 15479.27(3)	22.55(14)		10548 15462.92(3)	3.58(14)	
10519 15478.81(5)	1.40(13)		10549 15462.52(5)	1.05(14)	
10520 15478.24(6)	1.11(13)		10550 15461.41(6)	0.70(12)	
10521 15477.63(5)	2.09(13)		10551 15460.86(2)	8.44(12)	
10522 15476.64(4)	30.5(6)	<b>T+ 3b-2a (3-0) P7</b>	10552 15460.34(2)	24.71(14)	S+ EF-2B (17-2) P1
10523 15476.44(4)	28.7(5)		10553 15459.86(2)	13.44(13)	
10524 15476.08(4)	5.45(16)		10554 15459.41(3)	2.21(13)	
10525 15474.83(5)	0.97(12)		10555 15458.33(3)	2.20(12)	
10526 15473.34(2)	4.99(12)		10556 15457.82(2)	6.37(13)	
10527 15472.87(2)	34.09(15)		10557 15457.34(2)	11.54(15)	
10528 15472.49(3)	10.3(5)		10558 15456.95(3)	3.90(15)	
10529 15472.27(3)	10.3(5)		10559 15455.73(2)	9.19(19)	
10530 15471.95(3)	5.16(19)		10560 15455.40(2)	10.28(19)	
10531 15471.524(19)	39.72(14)		10561 15454.84(3)	6.9(2)	
10532 15471.09(2)	28.0(3)	<b>T- 3c-2a (6-6) Q6</b>	10562 15454.12(2)	21.16(16)	<b>T- 3c-2a (6-6) Q7</b>
10533 15470.83(2)	10.1(3)		10563 15453.73(3)	6.49(16)	
10534 15470.46(2)	39.99(15)		10564 15453.35(3)	5.80(16)	
10535 15470.10(2)	11.14(13)		10565 15451.83(5)	1.43(12)	
10536 15469.09(3)	2.09(12)		10566 15451.17(4)	1.93(12)	
10537 15468.65(3)	2.94(12)		10567 15450.32(9)	0.49(12)	
10538 15468.23(3)	4.33(13)		10568 15449.67(4)	65.30(17)	
10539 15467.89(4)	1.11(13)		10569 15449.19(5)	6.4(3)	
10540 15466.44(2)	9.36(14)		10570 15448.92(5)	3.8(3)	
10541 15466.11(3)	3.63(14)		10571 15448.26(6)	1.40(12)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10572 15447.60(5)	1.72(12)		10601 15426.64(4)	19.3(6)	
10573 15446.66(5)	3.1(2)		10602 15426.17(4)	35.2(6)	
10574 15446.36(5)	3.5(2)		10603 15425.88(5)	8.5(6)	
10575 15445.29(5)	4.5(3)		10604 15424.89(6)	29(8)	
10576 15445.01(4)	11.8(3)		10605 15424.77(5)	52(8)	15424.79
10577 15444.40(4)	53.1(2)	15444.40	10606 15424.01(3)	10.0(4)	
10578 15444.02(4)	24.8(2)		10607 15423.73(4)	5.4(4)	
10579 15443.71(5)	4.5(3)		10608 15422.99(2)	4.8(3)	
10580 15442.77(6)	1.29(12)		10609 15422.699(14)	36.6(10)	15422.69
10581 15441.30(7)	0.91(12)				
10582 15440.83(4)	3.77(12)		10610 15422.523(18)	13.1(11)	
10583 15439.68(4)	10.45(16)	15439.72	10611 15421.630(14)	19.7(7)	
10584 15439.27(6)	2.56(16)		10612 15421.442(16)	12.4(7)	
10585 15438.72(13)	0.43(13)		10613 15420.882(14)	11.2(2)	
10586 15438.18(5)	2.02(13)		10614 15420.60(2)	3.8(2)	
10587 15436.85(4)	32.82(14)	15436.87	10615 15420.072(17)	4.55(18)	
10588 15436.26(4)	12.02(12)	15436.20	10616 15418.851(10)	188.2(3)	15418.85
10589 15435.50(5)	2.46(12)		10617 15418.436(14)	19.3(6)	
10590 15434.67(4)	21.37(15)		10618 15418.234(14)	17.2(6)	
10591 15434.20(4)	8.15(14)		10619 15417.428(13)	13.6(3)	
10592 15433.49(6)	2.24(15)		10620 15417.158(15)	8.9(3)	
10593 15433.06(5)	4.36(15)		10621 15416.079(19)	6.7(4)	
10594 15430.00(4)	26.5(5)		10622 15415.837(10)	76.7(4)	15415.83
10595 15429.66(4)	20.9(5)		10623 15415.448(19)	8.4(4)	
10596 15429.29(4)	23.3(4)	15429.30	10624 15415.208(14)	17.6(4)	
			10625 15414.803(19)	28(3)	
10597 15428.94(4)	23.6(5)		10626 15414.658(18)	47(3)	15414.67
10598 15428.44(5)	9.3(3)		10627 15414.407(18)	14.8(7)	
10599 15427.90(4)	17.4(3)	15427.86	10628 15414.10(2)	3.4(3)	
10600 15426.94(5)	8.4(6)		10629 15412.420(15)	14.8(4)	15412.42

S+ EF-2B (15-1) R0  
S+ EF-2B (15-1) R3

T- 3e-2c (0-1) Q1  
T+ 3b-2a (4-1) R2

T+ 3b-2a (4-1) R1

T- 3e-2c (1-2) R4

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10630 15411.950(10)	113.6(4)	<b>T+ 3b-2a (4-1) R3</b>  T- 3e-2c (0-1) Q2 S 3A-2C (2-1) R3	10659 15395.177(17)	228.9(4)	<b>T+ 3b-2a (4-1) R4</b>
10631 15410.739(13)	20.7(4)		10660 15394.77(3)	5.1(3)	
10632 15409.533(15)	14.2(4)		10661 15394.35(3)	6.9(3)	
			10662 15394.03(2)	9.6(3)	
10633 15408.893(11)	55.9(4)		10663 15393.563(18)	42.9(3)	<b>T+ 3b-2a (7-3) R1</b> <b>T- 3e-2c (1-2) R2</b>
10634 15408.31(6)	1.5(4)		10664 15392.95(2)	21.0(6)	
10635 15407.108(13)	32.2(5)		10665 15392.72(3)	10.9(5)	
10636 15406.793(12)	45.0(5)		10666 15392.32(2)	11.5(3)	
10637 15406.358(17)	16.9(6)	S+ EF-2B (17-2) P3	10667 15391.78(3)	5.2(3)	
10638 15406.09(2)	8.3(6)		10668 15391.34(2)	29.2(4)	
10639 15405.261(14)	34.1(8)		10669 15391.07(3)	11.4(4)	
10640 15405.02(2)	12.0(8)		10670 15390.754(18)	100.0(4)	
10641 15404.39(2)	7.1(4)	<b>T+ 3a-2c (4-5) Q3</b>			<b>T+ 3b-2a (7-3) R2</b> S+ EF-2B (15-1) P1 <b>T+ 3e-2c (0-1) P3</b>  <b>T+ 3e-2c (0-1) P4</b>  S+ EF-2B (15-1) R5  S+ GK-2B (2-8) P5  <b>T+ 3b-2a (7-3) R0</b> <b>T+ 3e-2c (0-1) P5</b>
10642 15403.349(12)	17.1(2)		10671 15390.46(2)	31.6(5)	
10643 15402.954(10)	63.0(2)		10672 15390.23(2)	28.9(6)	
10644 15402.513(16)	12.5(4)		10673 15389.65(2)	9.5(3)	
10645 15402.27(3)	4.0(4)	<b>T+ 3a-2c (4-5) Q2</b>	10674 15389.33(2)	8.71(19)	
10646 15401.920(17)	7.4(2)		10675 15387.06(2)	13.9(3)	
10647 15401.51(3)	1.9(2)		10676 15386.78(3)	3.9(2)	
10648 15401.14(2)	3.3(2)		10677 15386.32(3)	3.09(19)	
10649 15400.14(2)	3.3(2)	<b>T+ 3b-2a (9-4) P4</b>	10678 15386.01(3)	5.04(19)	
10650 15398.69(2)	12.9(3)		10679 15385.509(18)	50.1(2)	
10651 15398.40(3)	4.1(3)		10680 15385.13(2)	12.68(18)	
10652 15397.98(2)	13.7(4)		10681 15384.78(3)	3.09(18)	
10653 15397.701(19)	51.8(4)		10682 15384.04(2)	6.88(16)	
10654 15397.44(3)	7.8(5)		10683 15383.58(3)	8.0(4)	
10655 15397.04(2)	10.1(3)		10684 15383.32(3)	8.8(3)	
10656 15396.55(3)	4.4(3)		10685 15383.07(2)	9.0(4)	
10657 15395.91(3)	7.4(4)		10686 15382.535(18)	32.64(17)	<b>T+ 3b-2a (3-0) P8</b>
10658 15395.65(3)	6.7(4)		10687 15382.04(4)	2.5(3)	

Table II (Continued).

K $\nu$ , cm <sup>-1</sup>	$I$ , counts $\nu_R$ , cm <sup>-1</sup>	Assignment	K $\nu$ , cm <sup>-1</sup>	$I$ , counts $\nu_R$ , cm <sup>-1</sup>	Assignment
10688 15381.77(3)	3.8(3)		10717 15363.15(3)	6.2(2)	<b>T- 3c-2a (7-7) Q2</b> S 3A-2C (2-1) Q1 S+ EF-2B (13-0) R1
10689 15380.933(18)	21.84(16)		10718 15362.13(3)	13.5(3)	
10690 15379.430(19)	16.15(16)		10719 15361.70(3)	16.5(4)	
10691 15378.02(2)	8.50(16)		10720 15361.35(3)	31.5(5)	
10692 15377.56(3)	4.7(3)		10721 15361.07(3)	10.7(5)	
10693 15377.26(2)	17.5(3)		10722 15358.13(4)	3.0(3)	
10694 15377.01(3)	6.6(3)		10723 15357.54(3)	17.4(3)	
			10724 15357.15(3)	5.6(3)	
10695 15376.36(2)	9.2(2)	T- 3e-2c (1-2) R1 T- 3e-2c (0-1) Q4	10725 15356.28(3)	11.2(3)	15356.29
10696 15375.972(17)	67.40(19)		10726 15355.44(3)	10.6(3)	
10697 15375.57(4)	1.62(17)	<b>T+ 3b-2a (7-3) R3</b>	10727 15354.46(3)	6.3(3)	15354.45
10698 15374.86(2)	4.52(16)		10728 15352.99(3)	13.3(3)	
10699 15374.35(3)	2.45(16)	<b>T+ 3a-2c (4-5) P1</b>	10729 15351.99(3)	11.0(2)	15351.97
10700 15373.83(2)	4.49(16)		10730 15351.45(3)	4.7(2)	
10701 15372.09(2)	4.66(16)		10731 15351.03(3)	4.0(2)	15350.47
10702 15371.22(3)	2.06(16)		10732 15350.49(2)	133.1(2)	
10703 15370.01(4)	2.9(2)		10733 15349.97(3)	5.0(2)	15348.56
10704 15369.52(4)	3.7(2)		10734 15349.63(3)	4.5(2)	
10705 15369.10(3)	9.4(2)	<b>T+ 3b-2a (4-1) R5</b>	10735 15348.53(3)	10.3(2)	15347.75
10706 15368.63(2)	104.8(3)		10736 15347.77(2)	27.4(2)	
10707 15368.07(3)	4.2(2)	<b>T- 3c-2a (7-7) Q1</b> S+ EF-2B (17-2) P4	10737 15347.36(3)	5.6(2)	15346.98
10708 15367.64(3)	6.8(2)		10738 15346.96(3)	25.3(2)	
10709 15367.23(3)	5.6(2)		10739 15345.85(3)	12.7(2)	15345.83
10710 15366.75(3)	14.0(3)		10740 15345.51(4)	3.3(2)	
10711 15366.44(3)	6.4(3)	S+ EF-2B (15-1) P2	10741 15344.79(3)	3.8(2)	15344.80
10712 15365.85(3)	9.3(3)		10742 15343.94(3)	4.2(2)	
10713 15365.50(4)	4.3(3)		10743 15342.96(3)	11.6(5)	15343.93
10714 15364.89(5)	1.8(2)		10744 15342.74(3)	9.1(5)	
10715 15364.42(6)	1.3(2)		10745 15342.43(3)	8.0(3)	15342.45
10716 15363.53(3)	11.9(3)		10746 15341.45(2)	6.9(2)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10747 15340.41(3)	1.8(2)	<b>T- 3c-2a (7-7) Q4</b>	10776 15324.399(17)	12.8(3)	<b>T- 3c-2a (7-7) Q5</b> S- 3C-EF (1-0) Q2  S+ EF-2B (17-2) P5
10748 15339.521(15)	19.3(2)		10777 15324.10(2)	7.8(3)	
10749 15338.17(4)	1.7(2)		10778 15323.317(16)	9.61(14)	
10750 15336.956(18)	11.1(3)		10779 15322.689(17)	7.84(14)	
10751 15336.953(16)	12.3(2)		10780 15321.986(14)	28.42(15)	
10752 15336.606(17)	11.3(2)	<b>T+ 3b-2a (7-3) P1</b> S 3A-2C (2-1) P1	10781 15321.355(17)	7.85(14)	<b>T- 3e-2c (1-2) Q2</b>
10753 15336.138(14)	21.8(2)		10782 15320.844(16)	11.60(16)	
			10783 15320.404(17)	14.2(2)	
10754 15335.553(19)	6.5(2)		10784 15320.079(15)	19.9(3)	
10755 15334.709(15)	15.3(2)		10785 15319.260(16)	7.63(15)	
10756 15333.96(2)	4.1(2)	<b>T+ 3b-2a (4-1) R6</b>	10786 15318.69(5)	1.09(18)	<b>T+ 3b-2a (9-4) P5</b> S- 3E-2C (4-2) R4
10757 15333.37(2)	11.2(9)		10787 15318.28(3)	1.96(18)	
10758 15333.14(2)	36.6(15)		10788 15317.693(13)	14.54(17)	
10759 15332.97(2)	18(2)		10789 15317.156(18)	5.29(17)	
10760 15332.437(13)	183.8(3)		10790 15315.83(2)	7.5(4)	
10761 15332.078(15)	24.2(3)	<b>T- 3e-2c (2-3) R4</b> <b>T+ 3b-2a (7-3) R5</b>	10791 15315.574(19)	8.9(4)	<b>T- 3e-2c (2-3) R4</b> <b>T+ 3b-2a (7-3) R5</b>
10762 15331.685(15)	25.9(3)		10792 15314.135(13)	32.3(4)	
10763 15331.33(2)	18.2(11)		10793 15313.850(12)	91.8(4)	
10764 15331.15(3)	8.5(11)				
10765 15329.951(18)	8.6(2)		10794 15313.448(14)	19.4(2)	
10766 15329.607(16)	13.4(2)	<b>T- 3e-2c (1-2) Q1</b>	10795 15312.995(16)	7.93(17)	S- 3E-2C (4-2) R2
10767 15328.737(15)	14.9(2)		10796 15312.222(19)	4.12(17)	
10768 15328.298(18)	7.0(2)		10797 15311.804(19)	12.6(8)	
10769 15327.705(17)	32.8(17)		10798 15311.62(3)	4.9(8)	
10770 15327.55(2)	18.2(16)		10799 15311.097(13)	27.5(2)	
10771 15327.18(2)	4.2(3)	S- 3C-EF (1-0) Q1	10800 15310.801(17)	7.7(2)	S- 3E-2C (4-2) R2
10772 15326.268(17)	18.0(5)		10801 15310.21(2)	3.45(17)	
10773 15326.00(2)	17.0(6)		10802 15309.74(2)	3.37(17)	
10774 15325.79(2)	12.1(8)		10803 15309.32(3)	1.36(17)	
10775 15325.189(16)	8.06(14)		10804 15308.19(2)	2.60(17)	



Table II (Continued).

$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment	$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment
10805 15307.61(2)	4.6(4)			10834 15290.58(3)	2.11(16)		
10806 15307.379(13)	33.6(4)	15307.37	<b>T+ 3e-2c (1-2) P3</b>	10835 15290.03(2)	26.7(8)	15290.00	<b>T- 3e-2c (2-3) R2</b>
10807 15306.82(2)	3.75(17)			10836 15289.85(3)	10.0(8)		
10808 15306.42(3)	1.98(18)			10837 15288.97(6)	0.74(16)		
10809 15306.029(15)	11.5(2)			10838 15288.48(2)	6.52(17)		
10810 15305.691(11)	107.2(3)	15305.67	<b>T+ 3b-2a (4-1) P2</b>	10839 15288.061(19)	19.30(19)	15288.07	S- 3E-2B (2-11) Q3 S 3A-2C (3-2) R3
10811 15305.126(14)	16.4(3)						
10812 15304.874(18)	7.9(3)			10840 15287.73(2)	8.25(19)		
10813 15303.90(3)	2.46(18)			10841 15287.16(3)	1.71(17)		
10814 15303.520(16)	18.4(5)			10842 15286.660(17)	68.97(16)	15286.68	<b>T+ 3b-2a (4-1) R7</b> S+ EF-2B (22-5) R3
10815 15303.316(17)	12.3(6)			10843 15286.06(3)	3.94(17)		
10816 15302.545(19)	5.2(2)		S- 3E-2C (4-2) R6	10844 15285.59(2)	8.2(2)	15285.59	
10817 15302.250(13)	19.1(2)	15302.26		10845 15285.33(4)	2.1(2)		
10818 15301.58(3)	1.59(17)			10846 15284.34(3)	5.8(4)		
10819 15300.781(15)	6.88(13)	15300.78		10847 15284.13(4)	2.8(4)		<b>T- 3c-2a (7-7) Q7</b>
10820 15300.106(13)	15.06(13)	15300.09	S- 3C-EF (1-0) Q4	10848 15283.66(2)	8.43(12)	15283.65	S- 3C-EF (1-0) Q5
10821 15298.726(19)	3.07(13)			10849 15282.62(3)	1.67(11)		
10822 15298.057(18)	3.78(13)			10850 15281.35(2)	10.0(3)		
10823 15297.563(14)	11.51(14)	15297.58	S+ EF-2B (15-1) P4	10851 15281.10(3)	7.4(2)		
10824 15297.164(17)	6.09(14)			10852 15280.81(3)	4.2(2)		
10825 15296.80(2)	2.58(14)			10853 15280.17(2)	7.97(11)	15280.19	
10826 15296.284(12)	37.42(14)		S+ EF-2B (13-0) P2	10854 15279.31(2)	6.71(11)	15279.33	
10827 15295.690(13)	15.23(18)			10855 15278.28(2)	6.80(13)		S+ 3C-EF (2-3) R3 <b>T+ 3b-2a (3-0) P9</b>
10828 15295.376(14)	14.10(18)			10856 15277.936(19)	13.47(14)	15277.92	
10829 15295.015(12)	51.45(18)	15295.01	<b>T+ 3b-2a (7-3) P2</b>	10857 15277.100(18)	25.80(13)	15277.08	
10830 15294.563(15)	11.6(2)			10858 15275.22(4)	0.96(11)		
10831 15294.28(2)	5.8(2)			10859 15274.52(4)	1.8(2)		
10832 15293.904(17)	5.60(14)	15293.91	S+ EF-2B (22-5) R2 S 3A-2C (2-1) Q4	10860 15274.22(2)	15.2(3)		
				10861 15273.96(4)	2.3(3)		
10833 15293.232(17)	4.43(13)	15293.24		10862 15273.42(3)	8.2(6)		<b>T- 3e-2c (2-3) R1</b>

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10863 15273.22(4)	3.9(6)		10891 15253.21(4)	1.57(14)	
10864 15272.75(3)	3.35(16)		10892 15252.75(5)	1.19(14)	
10865 15272.35(2)	7.29(18)		10893 15252.02(5)	1.12(14)	
10866 15271.99(3)	6.3(3)		10894 15251.28(3)	3.21(15)	
10867 15271.76(2)	8.5(4)		10895 15250.89(3)	3.80(15)	
10868 15270.76(3)	2.44(15)		10896 15250.47(5)	1.33(14)	
10869 15269.13(2)	4.71(15)		10897 15249.89(4)	2.22(14)	
10870 15267.65(3)	2.18(16)		10898 15249.47(3)	3.78(15)	
10871 15266.46(3)	19.13(17)		10899 15246.84(3)	5.6(5)	15246.83
10872 15266.08(2)	111.0(2)		10900 15245.54(4)	3.6(5)	
10873 15265.47(3)	3.56(19)		10901 15244.33(2)	8.6(6)	
10874 15265.15(3)	5.45(19)		10902 15244.00(2)	12.1(6)	
10875 15264.15(3)	9.24(16)		10903 15243.125(16)	17.1(6)	15243.14
10876 15263.25(3)	10.69(16)		10904 15240.80(3)	5.2(5)	
10877 15262.22(3)	15.30(16)		10905 15237.36(10)	16198(1000)	
10878 15260.98(3)	5.73(14)		10906 15239.8(5)	0.2(5)	
10879 15260.32(3)	7.30(19)		10907 15234.543(19)	15.3(8)	
10880 15260.02(4)	2.30(19)		10908 15234.12(2)	11.0(9)	
10881 15258.53(3)	13.46(14)		10909 15233.634(19)	33(3)	
10882 15257.95(3)	17.4(5)		10910 15233.409(16)	70(5)	
10883 15257.75(4)	6.2(5)		10911 15233.105(13)	390(3)	
10884 15256.89(3)	2.54(14)		10912 15231.524(13)	44.4(9)	
10885 15256.44(3)	4.28(14)		10913 15230.71(3)	8.3(9)	
10886 15255.54(2)	31.38(18)		10914 15230.42(2)	12.6(9)	15230.42
10887 15254.71(3)	32.4(4)		10915 15225.67(3)	9.2(8)	15225.67
10888 15254.46(3)	9.2(5)		10916 15225.33(2)	11.1(8)	15225.34
10889 15254.16(2)	64.7(4)		10917 15222.21(2)	9.4(7)	15222.20
			10918 15221.87(2)	10.1(7)	
10890 15253.66(4)	2.70(14)		10919 15221.09(2)	32.89(19)	15221.09
			10920 15220.37(3)	9.93(18)	

**T+ 3b-2a (7-3) R6****T+ 3b-2a (7-3) P3** $D_\alpha$ **S 3A-2C (2-1) P3****S 3A-2C (2-1) P3****S+ EF-2B (13-0) P3****T- 3c-2a (7-7) Q8****T- 3c-2a (7-7) Q8****S+ 3C-EF (2-3) R2****S+ 3C-EF (2-3) R2****S+ EF-2B (15-1) P5****S+ EF-2B (15-1) P5****T+ 3b-2a (4-1) P3****T+ 3b-2a (4-1) P3****T- 3e-2c (2-3) Q1****T+ 3b-2a (9-4) P6**

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
10921 15219.68(2)	27.61(19) 15219.69	<b>T- 3e-2c (2-3) Q2</b>	10950 15198.24(2)	40.1(11) 15198.19	
10922 15218.35(2)	22.17(19) 15218.34		10951 15198.08(3)	14.1(11)	
10923 15217.89(2)	12.73(19)		10952 15196.99(3)	2.11(16)	
10924 15217.32(4)	3.11(19)		10953 15196.21(4)	1.63(16)	
10925 15216.86(3)	3.89(19)	S+ EF-2B (13-0) P4	10954 15195.08(3)	8.1(2)	S 3A-2C (3-2) Q3 T+ 3b-2a (4-1) P4
10926 15216.25(3)	8.22(18)	S 3A-2C (3-2) Q2	10955 15194.75(3)	16.4(6)	
10927 15215.41(3)	3.22(18)		10956 15194.53(3)	19.0(5)	
10928 15214.75(3)	5.59(18)		10957 15194.26(3)	4.6(3)	
10929 15213.77(2)	42.5(2) 15213.79	S+ EF-2B (17-2) P7	10958 15193.78(2)	25.22(16)	
10930 15212.90(2)	20.88(19) 15212.93	<b>T+ 3d-2c (0-1) R1</b> S+ 3E-2C (4-2) P2 S+ EF-2B (22-5) P3	10959 15193.36(2)	108.6(2) 15193.36	
10931 15212.30(3)	3.58(19)		10960 15192.36(3)	2.64(17)	
10932 15211.83(4)	2.54(19)		10961 15191.462(19)	9.3(2)	
			10962 15191.13(2)	6.5(2)	
10933 15211.22(3)	6.46(18)	S+ 3C-EF (2-3) R0	10963 15190.587(17)	21.4(3) 15190.59	
10934 15210.57(4)	1.55(12)		10964 15190.34(2)	6.2(3)	
10935 15209.88(2)	6.85(12)		10965 15189.33(2)	15.2(5)	
10936 15208.05(3)	7.74(17)		10966 15189.12(2)	11.2(5)	
10937 15207.74(3)	7.06(16)	<b>T- 3e-2c (2-3) Q3</b>	10967 15188.76(2)	7.5(2)	
10938 15207.31(2)	53.6(3) 15207.29	<b>T+ 3b-2a (7-3) R7</b>	10968 15188.31(2)	7.3(3)	
10939 15207.05(2)	22.6(3)		10969 15188.04(3)	3.9(3)	
10940 15206.26(3)	2.19(12)	<b>T- 3c-2a (8-8) Q1</b>	10970 15187.29(2)	5.17(19)	T+ 3d-2c (0-1) R3 T+ 3d-2c (0-1) Q1 S+ EF-2B (29-9) R3
10941 15204.59(2)	9.13(15) 15204.59	S+ EF-2B (15-1) P6	10971 15186.712(16)	22.3(2)	
10942 15204.26(4)	2.22(15)		10972 15186.407(17)	21.2(2)	
10943 15203.82(4)	1.85(13)		10973 15185.88(2)	4.64(19)	
10944 15203.05(2)	10.83(13) 15203.07		10974 15184.78(3)	1.89(14)	
10945 15202.36(5)	0.96(12)		10975 15183.953(18)	8.86(14)	
10946 15201.71(3)	4.30(12)	<b>T+ 3d-2c (0-1) R2</b>	10976 15183.309(17)	11.19(14) 15183.31	
10947 15201.09(3)	4.81(12)	<b>T- 3c-2a (8-8) Q2</b>	10977 15182.358(16)	23.96(15) 15182.37	
10948 15200.18(2)	8.72(16) 15200.18				
10949 15199.74(4)	1.79(13)		10978 15181.94(2)	3.47(15)	

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
10979 15181.356(17)	14.15(18)		S+ EF-2B (20-4) R3	11009 15161.24(6)	3.06(16)		S+ EF-2B (20-4) P1 S+ WX-2B (0-5) P1
10980 15181.001(15)	65.0(2)	15181.01	<b>T+ 3b-2a (7-3) P4</b>	11010 15160.80(7)	2.23(16)		
10981 15180.45(6)	0.63(14)			11011 15158.61(6)	1.88(11)		
10982 15179.99(3)	2.54(14)			11012 15158.05(5)	6.37(11)	15157.93	
10983 15179.203(19)	7.33(16)			11013 15157.04(5)	30.50(13)	15157.06	<b>T+ 3d-2c (0-1) Q2</b>
10984 15178.821(19)	10.81(17)	15178.81		11014 15156.48(6)	3.30(11)		
10985 15178.49(2)	5.33(18)		S- 3C-EF (2-3) Q1	11015 15155.86(6)	4.58(12)		
10986 15177.17(9)	0.35(14)		S+ EF-2B (22-5) P4	11016 15155.44(6)	6.6(6)		
10987 15176.299(19)	5.52(14)			11017 15155.24(7)	4.8(7)		
10988 15175.62(5)	0.87(14)			11018 15154.71(6)	3.89(11)		
10989 15175.02(3)	1.64(14)		S+ EF-2B (29-9) R4	11019 15153.33(6)	3.9(3)		
10990 15174.24(8)	0.53(14)		S 3A-2C (3-2) P2	11020 15153.10(6)	8.3(3)		
10991 15173.46(8)	0.34(10)			11021 15151.74(5)	6.56(11)	15151.77	
10992 15172.56(2)	21(4)			11022 15151.20(5)	19.31(18)	15151.20	
10993 15172.45(2)	28(4)	15172.46	S- 3C-EF (2-3) Q2	11023 15150.89(7)	2.27(17)		S- 3C-EF (2-3) Q4
10994 15170.653(16)	11.66(11)	15170.64	<b>T- 3e-2c (2-3) P2</b>	11024 15150.43(7)	1.10(12)		
10995 15170.151(16)	14.46(12)	15170.17	S+ 3E-2C (4-2) P3	11025 15150.01(5)	9.12(12)	15150.00	
10996 15169.786(18)	7.45(12)			11026 15147.95(5)	9.95(15)	15147.97	
10997 15169.26(5)	0.61(11)			11027 15147.16(6)	5.21(16)	15147.25	S+ EF-2B (15-1) P7
10998 15168.618(15)	35.93(17)	15168.59		11028 15146.77(8)	1.63(17)		
10999 15168.26(3)	2.57(14)			11029 15146.43(6)	5.06(17)	15146.38	S+ EF-2B (29-9) P2 T- 3c-2a (8-8) Q6
11000 15167.87(3)	2.53(12)						
11001 15167.389(15)	36.1(2)			11030 15145.35(5)	41.63(17)	15145.33	<b>T+ 3b-2a (3-0) P10</b>  S- 3C-EF (2-3) Q3  <b>T+ 3d-2c (0-1) R4</b>
11002 15167.03(3)	2.86(15)			11031 15143.71(6)	2.93(14)		
11003 15165.872(15)	25.59(11)	15165.86		11032 15143.00(5)	7.19(15)	15143.05	
11004 15165.31(2)	2.56(10)			11033 15141.59(11)	0.77(19)		
11005 15164.00(6)	5.41(16)	15163.92		11034 15140.80(6)	2.4(2)		
11006 15163.27(5)	8.68(16)	15163.34		11035 15140.29(6)	4.2(5)		
11007 15162.21(6)	5.69(17)	15162.27		11036 15140.06(5)	9.1(5)	15140.06	
11008 15161.81(5)	7.68(17)	15161.79		11037 15138.93(6)	2.2(2)		



Table II (Continued).

$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment	$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment
11097 15095.29(3)	3.1(2)			11126 15075.85(10)	0.45(12)		
11098 15095.00(4)	4.2(2)			11127 15075.25(4)	7.73(11)	15075.19	
11099 15094.71(2)	46.9(3)	15094.70		11128 15074.78(6)	1.07(11)		
11100 15094.33(2)	14.33(12)			11129 15074.72(5)	1.32(10)		
11101 15093.04(2)	13.97(12)	15093.05	S+ EF-2B (18-3) R2	11130 15074.31(4)	6.26(16)	15074.28	
11102 15092.67(4)	1.41(12)			11131 15074.01(5)	2.41(16)		
11103 15091.00(7)	1.04(16)			11132 15073.50(4)	18.0(6)	15073.42	
11104 15090.63(4)	24.6(8)	15090.60		11133 15073.31(5)	8.0(6)		
11105 15090.45(6)	3.8(9)			11134 15072.85(4)	19.78(13)	15072.86	<b>T+ 3d-2c (1-2) R3</b>
11106 15089.78(4)	11.00(12)	15089.78	<b>T+ 3d-2c (1-2) R2</b>	11135 15071.83(4)	3.43(10)		
11107 15089.09(7)	0.84(12)		S+ EF-2B (18-3) R0	11136 15070.98(5)	1.97(10)	15071.01	S+ EF-2B (18-3) R4
11108 15088.64(4)	3.78(12)	15088.72		11137 15069.50(6)	1.00(10)		S+ EF-2B (20-4) P4
11109 15088.12(5)	1.74(12)			11138 15067.82(4)	3.59(10)		
11110 15087.50(4)	3.31(10)			11139 15066.95(4)	5.79(10)	15066.96	<b>T+ 3d-2c (0-1) Q4</b>
11111 15086.69(4)	15.45(11)	15086.67		11140 15065.24(3)	7.6(2)	15065.27	
11112 15085.78(6)	0.88(10)			11141 15064.97(2)	15.1(2)	15064.96	T+ 3d-2c (0-1) P3
11113 15085.27(4)	4.23(10)	15085.32	S+ EF-2B (29-9) P4	11142 15064.38(5)	0.90(11)		
			S+ EF-2B (18-3) R3	11143 15063.71(2)	38.48(13)	15063.70	
11114 15084.16(5)	3.58(16)			11144 15062.88(3)	5.68(11)	15062.88	
11115 15083.86(4)	22.38(17)	15083.86		11145 15062.41(10)	0.32(11)		
11116 15083.47(5)	2.17(11)			11146 15060.32(3)	4.58(11)	15060.36	
11117 15082.84(4)	2.75(10)		S+ 3C-EF (2-3) P3	11147 15059.86(3)	2.01(11)		
11118 15082.34(4)	7.25(10)	15082.36		11148 15059.29(3)	3.97(11)		S- 3C-EF (3-6) Q1
11119 15081.07(4)	35.37(16)	15081.10		11149 15058.68(2)	9.68(11)	15058.68	<b>T- 3e-2c (2-3) P5</b>
11120 15080.71(6)	1.25(13)			11150 15057.33(2)	18.15(12)	15057.33	
11121 15078.96(5)	1.64(10)			11151 15056.81(8)	0.34(11)		
11122 15078.07(9)	0.34(10)			11152 15056.30(4)	1.00(11)		S+ GK-2B (3-9) R1
11123 15077.33(13)	0.28(12)			11153 15055.49(3)	11.3(3)	15055.47	
11124 15076.98(10)	0.42(12)			11154 15055.28(5)	1.9(3)		
11125 15076.18(7)	0.96(12)			11155 15054.67(4)	1.51(11)		

Table II (Continued).

$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment	$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment
11156 15054.19(2)	9.95(12)	15054.19	S- 3C-EF (3-6) Q2	11185 15032.43(2)	2.04(8)		
11157 15053.50(3)	3.35(11)		S+ GK-2B (4-10) P3	11186 15031.60(5)	0.36(8)		
11158 15052.85(6)	0.51(11)			11187 15030.073(17)	10.83(10)	15030.07	
11159 15052.00(2)	11.94(13)	15051.98	<b>T- 3c-2a (9-9) Q1</b>	11188 15028.93(2)	2.27(8)		<b>T+ 3d-2c (1-2) R5</b>
			<b>T+ 3d-2c (1-2) R4</b>	11189 15028.383(16)	26.05(9)	15028.37	
11160 15051.61(3)	14.5(7)	15051.57		11190 15028.00(2)	4.12(8)		
11161 15051.44(4)	4.8(7)			11191 15027.27(3)	1.01(8)		
11162 15050.00(3)	9.5(3)		S+ EF-2B (18-3) R5	11192 15026.24(4)	0.86(9)		
11163 15049.76(2)	35.1(2)			11193 15025.844(16)	45.20(11)	15025.85	<b>T- 3c-2a (9-9) Q4</b>
11164 15049.47(4)	2.18(18)			11194 15025.404(17)	11.53(10)	15025.42	
11165 15048.89(4)	1.07(12)			11195 15024.769(16)	45.54(16)	15024.77	<b>T+ 3b-2a (7-3) P6</b>
11166 15046.58(2)	8.53(12)	15046.62	S- 3C-EF (3-6) Q3				S+ GK-2B (5-11) P1
11167 15046.13(4)	1.17(12)		<b>T- 3c-2a (9-9) Q2</b>	11196 15024.40(4)	1.18(11)		
11168 15045.56(2)	8.12(12)	15045.55	S+ 3C-EF (2-3) P4	11197 15023.969(19)	5.00(10)	15023.98	
11169 15045.06(2)	79.76(16)	15045.07	<b>T+ 3b-2a (4-1) P6</b>	11198 15023.315(19)	5.86(11)		
11170 15044.64(2)	8.94(13)			11199 15022.949(18)	14.49(17)	15022.97	
11171 15043.90(3)	11.5(4)	15043.90		11200 15022.66(3)	4.14(16)		
11172 15043.70(3)	6.6(4)			11201 15022.38(2)	6.18(17)		
11173 15043.29(3)	1.84(13)			11202 15021.52(2)	3.56(15)		
11174 15039.018(18)	8.58(14)	15039.02		11203 15021.236(17)	14.84(15)	15021.25	
11175 15038.75(3)	2.42(14)			11204 15020.75(2)	3.62(10)		
11176 15037.86(3)	0.77(8)			11205 15020.29(3)	8.3(10)	15020.26	
11177 15037.374(16)	20.72(8)	15037.39		11206 15020.14(4)	3.9(10)		
11178 15036.927(18)	18.8(4)			11207 15019.56(3)	4.6(4)	15019.54	T+ 3c-2a (0-1) R9
11179 15036.749(18)	18.9(4)			11208  <b>15019.36(2)</b>	9.6(4)	15019.37	<b>T+ 3c-2a (0-1) R9</b>
11180 15035.91(3)	0.73(8)			11209 15018.371(17)	11.95(10)	15018.37	
11181 15035.31(4)	0.87(8)			11210 15017.30(5)	1.9(3)		<b>T+ 3d-2c (1-2) P2</b>
11182 15034.95(4)	0.66(8)			11211 15016.98(9)	1.6(3)		
11183 15034.01(2)	1.91(8)	15033.98		11212 15016.622(18)	30.0(3)	15016.65	<b>T+ 3c-2a (0-1) R8</b>
11184 15033.23(2)	1.60(8)			11213 15016.12(3)	2.03(13)		

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
11214 15015.57(3)	1.99(12)	S- 3C-EF (4-9) Q2	11244 14994.02(5)	1.95(8)	14993.99
11215 15014.97(2)	3.83(11)		11245 14993.31(5)	3.61(10)	
11216 15014.356(18)	12.51(12)		11246 14993.00(5)	1.54(10)	
11217 15013.725(17)	21.18(12)		11247 14992.28(11)	0.20(8)	
11218 15013.32(3)	1.98(11)		11248 14990.87(5)	1.79(8)	14990.83
11219 15012.98(2)	6.19(11)		11249 14989.86(5)	1.90(8)	14989.94
11220 15012.37(2)	2.88(9)		11250 14988.98(5)	5.39(13)	
11221 15011.763(18)	8.56(9)		11251 14988.67(4)	18.19(14)	14988.67
11222 15010.469(18)	11.16(9)		11252 14988.20(10)	0.47(12)	
11223 15009.91(3)	1.20(9)		11253 14987.86(4)	22.80(14)	14987.90
11224 15009.406(19)	7.85(10)	T+ 3c-2a (0-1) R7	11254 14986.07(5)	1.89(8)	14985.98
11225 15009.00(4)	0.81(9)		11255 14985.66(6)	1.37(8)	
11226 15007.48(2)	2.11(9)		11256 14984.23(4)	14.58(10)	14984.25
11227 15006.174(19)	5.40(9)		11257 14983.10(5)	2.81(8)	14983.11
11228 15005.67(2)	3.31(9)		11258 14981.97(5)	1.33(8)	
11229 15004.639(18)	7.47(9)		11259 14981.25(5)	1.45(8)	
11230 15004.188(18)	9.78(9)		11260 14980.71(5)	2.97(9)	
11231 15002.824(19)	10.89(15)		11261 14980.32(5)	4.73(9)	
11232 15002.53(3)	2.74(14)		11262 14979.35(10)	0.26(8)	
11233 15001.67(2)	3.16(9)		11263 14978.02(7)	0.60(8)	
11234 15001.150(17)	34.80(19)	T+ 3d-2c (1-2) R6	11264 14977.44(7)	0.49(8)	
11235 15000.85(2)	4.27(16)		11265 14976.51(5)	2.27(8)	14976.50
11236 15000.46(9)	0.40(13)		11266 14976.10(6)	1.20(11)	
11237 15000.114(17)	36.46(19)		11267 14975.80(4)	19.7(2)	14975.78
11238 14999.80(2)	3.67(14)		11268 14975.57(5)	4.5(2)	
11239 14998.93(5)	0.49(9)		11269 14973.81(3)	9.55(13)	14973.80
11240 14998.45(3)	1.65(9)		11270 14973.41(3)	8.18(14)	
11241 14997.21(2)	3.55(9)		11271 14973.05(3)	31.89(16)	14973.04
11242 14995.89(7)	0.29(9)		11272 14972.60(3)	3.49(13)	
11243 14994.62(5)	2.39(8)		11273 14971.59(4)	2.35(13)	

S+ EF-2B (16-2) R1  
S+ EF-2B (16-2) R2  
**T+ 3c-2a (0-1) R5**

S+ EF-2B (16-2) R3

**T+ 3c-2a (0-1) R4**



Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
11274 14971.13(3)	2.71(13)	S+ 3C-EF (3-6) P3 S+ EF-2B (16-2) R4	11304 14953.97(4)	1.56(11)	S+ EF-2B (16-2) R5
11275 14970.69(4)	2.58(13)		11305 14953.62(3)	2.86(11)	
11276 14970.24(3)	4.48(13)		11306 14952.98(3)	4.39(10)	
11277 14969.63(4)	1.64(12)	S+ EF-2B (18-3) P4	11307 14952.62(5)	1.02(10)	
11278 14968.91(6)	0.71(12)	S+ GK-2C (4-0) R2	11308 14952.19(5)	0.75(9)	
11279 14968.37(3)	6.13(13)	S 4D-2C (0-2) P2 S+ GK-2B (5-11) P5	11309 14951.66(4)	0.98(8)	S+ GK-2C (4-0) Q1
11280 14967.56(4)	1.28(12)		11310 14951.10(3)	6.05(9)	
11281 14966.48(3)	20.98(13)		11311 14950.58(3)	9.43(10)	
11282 14965.98(4)	2.88(19)		11312 14950.24(3)	2.51(10)	
11283 14965.70(3)	19.53(19)		11313 14949.75(3)	3.63(9)	
11284 14965.28(3)	4.29(13)		11314 14949.33(4)	1.11(9)	S+ EF-2B (14-1) R1 S+ EF-2B (12-0) R3
11285 14964.43(5)	1.07(12)		11315 14947.69(3)	7.81(7)	
11286 14964.11(3)	6.65(11)		11316 14947.22(3)	3.50(7)	
11287 14963.70(3)	5.62(14)		11317 14946.51(3)	5.91(16)	
11288 14963.42(3)	7.83(14)		11318 14946.27(5)	1.58(16)	
11289 14963.00(3)	6.59(10)	S- 3E-2C (5-3) R2	11319 14945.77(5)	0.76(7)	S+ EF-2B (12-0) R2 S+ 3C-EF (3-6) P4
11290 14962.54(4)	0.92(10)		11320 14945.20(4)	2.45(7)	
11291 14961.67(4)	1.56(13)		11321 14944.66(3)	9.96(7)	
11292 14961.39(5)	0.89(13)		11322 14944.06(3)	7.76(12)	
11293 14960.19(4)	2.53(15)		11323 14943.79(5)	1.56(12)	
11294 14959.90(3)	12.03(17)	T+ 3d-2c (1-2) P3 T+ 3b-2a (4-1) P7	11324 14943.30(11)	0.17(7)	S+ EF-2B (12-0) R2 S+ 3C-EF (3-6) P4
11295 14959.65(4)	3.28(19)		11325 14941.91(3)	6.71(9)	
11296 14958.62(3)	2.32(10)		11326 14941.55(5)	0.89(8)	
11297 14958.08(3)	25.74(11)		11327 14941.08(3)	20.82(10)	
11298 14957.64(3)	2.25(10)		11328 14940.28(4)	1.53(9)	
11299 14957.03(4)	1.60(10)		11329 14939.52(3)	4.42(9)	S+ 3C-EF (3-6) P4
11300 14956.18(4)	1.54(10)		11330 14938.66(4)	1.34(9)	
11301 14955.27(3)	8.90(12)	S+ EF-2B (16-2) P1	11331 14938.19(3)	4.79(9)	
11302 14954.96(4)	1.88(12)		11332 14937.76(4)	3.42(9)	
11303 14954.38(3)	14.66(10)	T+ 3c-2a (0-1) R3	11333 14937.08(4)	2.6(2)	

Table II (Continued).

$K \nu, \text{ cm}^{-1}$	$I, \text{ counts}$	$\nu_R, \text{ cm}^{-1}$	Assignment	$K \nu, \text{ cm}^{-1}$	$I, \text{ counts}$	$\nu_R, \text{ cm}^{-1}$	Assignment
11334 14936.85(3)	8.9(2)			11363 14918.76(2)	21.77(11)	14918.78	
11335 14936.41(4)	1.65(9)			11364 14918.41(2)	8.12(10)	14918.43	
11336 14935.73(6)	0.66(9)			11365 14917.58(3)	2.54(14)		
11337 14935.25(4)	5.3(3)	14935.24		11366 14917.32(4)	1.89(14)		
11338 14935.04(5)	2.1(3)			11367 14916.83(3)	2.24(8)	14916.84	
11339 14934.63(4)	2.02(10)			11368 14916.05(6)	0.42(8)		
11340 14934.17(4)	1.33(9)			11369 14915.35(3)	2.14(10)		
11341 14933.76(4)	1.35(9)			11370 14915.04(2)	7.66(10)	14915.08	
11342 14933.22(5)	0.89(9)			11371 14914.32(3)	1.43(8)		
11343 14932.75(3)	27.05(10)	14932.75	<b>T+ 3c-2a (0-1) R2</b>	11372 14912.97(3)	2.03(8)		
11344 14931.95(3)	15.41(10)	14931.94	<b>T+ 3b-2a (7-3) P7</b>	11373 14911.70(3)	4.5(2)		
11345 14931.52(5)	0.83(9)			11374 14911.44(2)	18.04(15)	14911.40	
11346 14930.97(3)	6.15(9)	14930.91		11375 14911.17(2)	27.9(2)	14911.16	
11347 14929.94(4)	2.67(8)			11376 14910.53(3)	2.57(8)		
11348 14929.30(3)	12.68(9)	14929.27	S+ EF-2B (12-0) R1	11377 14909.71(3)	2.09(8)		
11349 14928.89(3)	10.81(9)	14928.94	S+ EF-2B (20-4) P7	11378 14908.93(4)	0.72(8)		
11350 14928.44(5)	0.98(9)		S+ EF-2B (14-1) R3	11379 14908.46(2)	11.2(3)	14908.43	
11351 14927.89(4)	3.19(9)	14927.91		11380 14908.26(2)	15.1(3)	14908.27	
11352 14927.46(3)	5.73(9)	14927.40	S+ EF-2B (12-0) R5	11381 14906.95(3)	1.60(9)		
			S+ EF-2B (18-3) P5	11382 14906.37(3)	2.88(10)	14906.38	
11353 14925.57(2)	6.70(8)	14925.54		11383 14905.99(4)	2.53(16)		
11354 14924.33(3)	1.39(8)			11384 14905.73(3)	3.87(18)		
11355 14923.84(3)	12.1(14)	14923.84		11385 14904.43(2)	14.99(9)	14904.43	
11356 14923.71(5)	3.4(15)			11386 14903.60(6)	0.34(7)		
11357 14922.62(2)	22.7(3)	14922.61		11387 14902.42(4)	0.80(9)		
11358 14922.40(3)	4.0(3)			11388 14902.10(3)	1.47(9)		
11359 14921.48(4)	0.97(8)			11389 14901.57(4)	0.71(7)		
11360 14920.44(3)	3.23(9)			11390 14901.075(17)	31.83(9)	14901.07	
11361 14920.09(3)	1.95(9)			11391 14900.52(3)	0.99(7)		
11362 14919.41(3)	2.89(8)			11392 14899.93(4)	0.79(7)		

S+ EF-2B (12-0) R0

S+ EF-2B (14-1) P1

**T+ 3c-2a (0-1) R1**

S- 3E-2C (5-3) Q1

S+ 3F-2C (2-1) R5

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
11393 14899.46(3)	1.43(7)	S+ EF-2B (16-2) P3	11422 14879.11(2)	9.48(19)	S+ EF-2B (14-1) R5
11394 14898.99(2)	3.24(7)		11423 14878.77(2)	5.95(19)	
11395 14898.18(2)	2.00(7)		11424 14877.251(19)	15.00(17)	
11396 14897.71(3)	1.30(7)		11425 14876.75(2)	11.45(18)	
11397 14896.86(3)	0.91(7)		11426 14876.318(17)	67.1(2)	
11398 14896.05(3)	1.25(11)		11427 14875.35(3)	3.40(17)	
11399 14895.76(4)	1.17(10)		11428 14874.943(18)	25.19(18)	
11400 14895.35(2)	3.42(9)		11429 14873.08(3)	10.16(18)	
11401 14895.024(18)	15.30(10)		11430 14872.49(3)	15.17(18)	
11402 14894.55(3)	1.39(7)		11431 14872.01(4)	2.18(18)	
11403 14893.39(2)	4.18(12)	S- 3E-2C (5-3) Q2	11432 14871.29(4)	4.3(2)	T+ 3b-2a (5-2) R3
11404 14891.91(3)	6.7(5)		11433 14870.92(3)	8.0(3)	
11405 14891.71(3)	9.7(4)		11434 14870.66(4)	5.7(3)	
11406 14891.47(4)	2.0(3)		11435 14870.08(4)	1.70(17)	
11407 14889.40(2)	5.21(12)		11436 14869.05(3)	35.1(2)	
11408 14888.97(2)	4.13(12)		11437 14866.76(3)	73.3(2)	
11409 14887.93(4)	1.06(12)		11438 14866.14(3)	10.3(2)	
11410 14886.95(4)	1.12(12)		11439 14865.73(3)	9.0(2)	
11411 14885.47(3)	1.34(12)		11440 14865.28(4)	3.0(2)	
11412 14884.72(2)	2.70(12)		11441 14864.81(4)	3.4(2)	
11413 14884.18(3)	1.81(13)	T+ 3b-2a (5-2) R2	11442 14863.60(4)	6.5(6)	T+ 3b-2a (4-1) P8 S+ EF-2B (16-2) P4 T+ 3b-2a (5-2) R4
11414 14883.86(2)	4.62(17)		11443 14863.40(3)	14.1(6)	
11415 14883.373(17)	110.7(4)		11444 14862.94(3)	41.2(2)	
11416 14883.06(2)	18.3(3)		11445 14862.52(4)	3.4(2)	
11417 14882.592(18)	22.01(17)		11446 14862.01(3)	151.2(3)	
11418 14881.037(18)	48.88(18)		11447 14861.58(4)	2.6(2)	
			11448 14861.13(3)	9.7(3)	
			11449 14860.84(4)	5.4(3)	
11419 14880.480(18)	40.50(18)		11450 14860.39(3)	6.2(2)	
11420 14880.07(3)	3.74(17)	S- 3E-2C (5-3) Q3			
11421 14879.559(18)	32.13(18)				

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
11451 14859.37(3)	3.34(10)		11481 14835.68(5)	0.64(10)	
11452 14858.90(3)	12.6(5)		11482 14835.260(19)	15.56(9)	14835.24
11453 14858.74(4)	5.1(5)		11483 14834.60(2)	2.46(8)	14834.58
11454 14858.30(3)	2.06(10)		11484 14832.92(3)	0.93(8)	
11455 14857.80(3)	50.82(12)		11485 14832.093(19)	14.46(8)	14832.09
11456 14856.31(3)	4.31(10)		11486 14831.697(19)	24.38(9)	14831.68
11457 14855.22(4)	1.43(10)		11487 14831.16(2)	8.83(8)	14831.16
11458 14853.91(3)	4.41(10)		11488 14829.490(17)	16.08(12)	14829.51
11459 14851.72(3)	19.95(10)		11489 14829.14(2)	8.05(17)	14829.13
11460 14850.72(3)	3.26(10)		11490 14828.87(3)	2.23(19)	
11461 14850.34(3)	5.37(10)		11491 14828.41(2)	2.24(10)	
11462 14848.85(5)	0.47(7)		11492 14827.10(4)	0.63(10)	
11463 14848.37(2)	8.82(8)		11493 14826.52(3)	1.92(10)	
11464 14847.68(2)	3.18(8)		11494 14826.066(19)	5.98(10)	14826.08
11465 14847.32(3)	1.84(8)		11495 14825.63(5)	0.65(10)	
11466 14846.90(3)	1.28(8)		11496 14825.225(18)	10.12(11)	14825.22
11467 14846.49(3)	1.68(8)		11497 14824.837(16)	38.69(13)	14824.83
11468 14845.83(3)	3.0(3)		11498 14824.41(3)	1.25(10)	
11469 14845.62(2)	20.9(3)		11499 14823.899(18)	7.59(10)	14823.92
11470 14845.19(3)	2.00(9)		11500 14823.43(2)	4.61(10)	14823.45
11471 14844.73(2)	2.86(9)		11501 14823.05(3)	1.27(10)	
11472 14844.03(3)	1.47(9)		11502 14821.883(19)	3.32(8)	14821.91
11473 14843.109(19)	26.84(12)		11503 14821.44(2)	1.92(8)	
11474 14842.75(3)	2.34(10)		11504 14821.00(4)	0.60(8)	
11475 14841.65(6)	0.36(9)		11505 14820.28(2)	1.84(8)	
11476 14839.51(3)	1.14(9)		11506 14819.83(2)	2.17(8)	14819.81
11477 14838.61(2)	3.97(9)		11507 14819.33(2)	2.95(9)	
11478 14838.04(4)	0.73(9)		11508 14819.00(2)	3.42(9)	
11479 14837.36(4)	0.72(9)		11509 14817.78(5)	0.35(8)	
11480 14835.98(4)	1.02(11)		11510 14817.148(16)	21.43(9)	14817.14

**T- 3c-2a (0-1) Q3****T+ 3c-2a (1-2) R4**  
S+ EF-2B (12-0) P3  
**T+ 3b-2a (7-3) P8****T- 3c-2a (0-1) Q4****T+ 3b-2a (5-2) R5**

S+ EF-2B (16-2) P5

**T+ 3c-2a (1-2) R3**

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
11511 14816.40(3)	1.36(9)	S+ 3F-2C (2-1) R2 S- 3F-2C (2-1) R2 <b>T+ 3b-2a (5-2) P1</b>	11539 14797.11(4)	45.3(3)	T+ 3b-2a (10-5) R0
11512 14816.071(16)	14.63(9)		11540 14796.86(5)	4.85(15)	<b>T+ 3c-2a (1-2) R2</b>
11513 14814.866(19)	4.41(8)		11541 14796.42(4)	31.93(8)	<b>T+ 3b-2a (10-5) R1</b>
11514 14814.50(4)	0.56(8)	S+ EF-2B (21-5) R1 <b>T- 3c-2a (0-1) Q6</b>	11542 14796.01(6)	0.93(6)	<b>T- 3c-2a (0-1) Q6</b>
11515 14813.59(2)	3.01(8)		11543 14795.59(6)	0.75(6)	
11516 14813.19(3)	1.46(8)		11544 14793.42(5)	1.69(6)	14793.46
11517 14812.52(3)	0.98(8)	<b>T- 3c-2a (0-1) Q5</b>	11545 14792.81(6)	0.51(6)	
11518 14811.884(16)	14.78(12)		11546 14792.23(6)	0.63(6)	
11519 14811.51(3)	1.03(8)		11547 14789.75(3)	1.61(9)	S+ EF-2B (21-5) R4
11520 14810.86(2)	1.86(10)	S+ EF-2B (21-5) R2	11548 14789.21(2)	27.52(10)	<b>T+ 3b-2a (5-2) R6</b>
11521 14809.96(4)	0.78(10)		11549 14788.74(3)	1.14(9)	
11522 14809.271(19)	4.08(10)		11550 14787.78(3)	1.44(9)	
11523 14807.84(12)	0.4(3)	S+ EF-2B (14-1) P4	11551 14787.27(3)	12.5(5)	14787.23
11524 14807.6(7)	0.1(3)		11552 14787.09(3)	8.0(4)	
11525 14807.14(4)	0.82(10)		11553 14786.81(3)	4.58(15)	
11526 14806.02(2)	2.39(10)	S+ EF-2B (21-5) R3	11554 14786.04(3)	4.36(10)	14786.04
11527 14804.54(11)	0.13(4)		11555 14785.72(2)	12.33(14)	14785.75
11528 14803.72(5)	2.26(5)		11556 14785.47(4)	1.22(15)	
11529 14802.86(4)	5.22(5)	S+ EF-2B (21-5) R3 S+ EF-2B (12-0) P4	11557 14784.63(4)	1.01(9)	
11530 14802.30(5)	0.82(4)		11558 14783.61(2)	5.28(9)	
11531 14801.21(4)	10.39(5)		11559 14782.66(4)	0.71(7)	<b>T+ 3b-2a (10-5) R2</b>
11532 14800.74(4)	5.61(7)	S+ EF-2B (21-5) R1	11560 14782.25(2)	11.15(8)	14782.28
11533 14800.44(5)	1.58(7)		11561 14781.60(3)	1.02(7)	
11534 14799.56(5)	0.81(5)		11562 14781.07(3)	1.34(7)	S+ EF-2B (21-5) P1
11535 14799.07(10)	0.17(5)	<b>T+ 3b-2a (10-5) R2</b>	11563 14780.51(3)	1.33(7)	
11536 14798.53(5)	2.52(6)		11564 14780.05(3)	1.17(7)	
11537 14797.76(5)	0.91(6)		11565 14779.18(4)	0.80(7)	
11538  <b>14797.31(5)</b>	8.1(3)	<b>T+ 3b-2a (10-5) R0</b>	11566 14778.60(2)	10.38(8)	<b>T- 3c-2a (0-1) Q7</b>
			11567 14778.20(4)	0.79(8)	

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
11568 14777.62(5)	0.44(7)		11598 14761.83(3)	1.23(5)	14761.82
11569 14777.19(6)	0.34(7)		11599 14761.30(9)	0.13(5)	
11570 14776.75(4)	0.66(7)		11600 14760.75(3)	0.94(5)	
11571 14775.99(3)	1.04(7)		11601 14759.997(19)	7.26(6)	14760.04
11572 14775.55(3)	2.09(9)				
11573 14775.22(2)	36.74(11)	<b>T+ 3b-2a (5-2) P2</b>	11602 14758.447(19)	13.63(6)	14758.46
11574 14774.74(3)	1.53(7)				
11575 14774.29(3)	1.19(7)		11603 14757.94(2)	1.99(5)	
11576 14773.80(2)	13.84(8)	<b>T+ 3c-2a (1-2) R1</b>	11604 14756.66(2)	2.84(11)	
11577 14773.08(3)	1.39(8)	S+ EF-2B (16-2) P6	11605 14756.43(3)	1.50(11)	
11578 14772.75(3)	3.61(9)		11606 14755.67(2)	3.43(6)	14755.67
11579 14772.45(4)	0.81(9)		11607 14755.27(2)	1.52(6)	14755.24
11580 14771.86(3)	0.84(5)	S- 3E-2C (5-3) P4	11608 14753.56(3)	1.28(5)	
11581 14771.41(6)	0.28(5)		11609 14753.05(2)	4.71(5)	14753.06
11582 14771.01(3)	0.83(5)		11610 14752.49(4)	0.65(5)	
11583 14770.45(2)	7.64(5)		11611 14752.09(3)	0.92(6)	
11584 14770.10(2)	9.39(5)	S+ EF-2B (12-0) P5	11612 14751.67(2)	12.67(6)	14751.66
11585 14769.65(2)	3.10(5)		11613 14751.25(3)	0.84(5)	
11586 14769.24(2)	4.15(5)		11614 14750.69(3)	0.72(5)	
11587 14768.67(3)	1.74(7)		11615 14750.17(5)	0.38(5)	
11588 14768.38(3)	1.32(7)		11616 14749.73(4)	0.43(5)	
11589 14767.55(5)	0.33(5)		11617 14749.29(2)	4.51(7)	14749.27
11590 14767.08(2)	10.38(6)		11618 14749.00(4)	0.73(7)	
11591 14766.46(3)	1.14(7)		11619 14748.54(2)	9.45(6)	14748.55
11592 14766.17(3)	1.35(7)		11620 14748.09(2)	6.63(5)	14748.11
11593 14765.59(3)	2.89(19)		11621 14747.66(2)	23.36(14)	14747.65
11594 14765.40(5)	1.03(19)		11622 14747.41(3)	1.53(14)	
11595 14764.56(3)	0.80(5)		11623 14746.99(2)	8.68(8)	14747.00
11596 14763.78(2)	2.18(5)		11624 14746.54(2)	3.49(8)	14746.55
11597 14762.96(9)	0.14(5)		11625 14746.18(3)	1.35(9)	

S+ EF-2B (14-1) P5  
**T+ 3b-2a (4-1) P9**  
S+ GK-2C (6-1) P1  
**T- 3c-2a (0-1) Q8**

**T+ 3b-2a (10-5) P1**  
S+ GK-2C (4-0) P4

S+ GK-2B (0-7) P5

**T+ 3b-2a (8-4) R1**

**T+ 3c-2a (1-2) R0**

**T+ 3c-2a (2-3) R9**

**T+ 3c-2a (0-1) P3**

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
11626 14745.88(2)	14.31(10)	14745.90		11655 14730.29(2)	8.64(6)	14730.32	S+ EF-2B (12-0) P6
11627 14745.88(2)	14.28(12)	14745.90		11656 14729.95(3)	1.35(6)		S+ 3F-2C (2-1) Q5
11628 14745.43(3)	1.76(12)			11657 14729.51(2)	2.03(5)	14729.49	S+ 3F-2C (2-1) Q3
11629 14745.18(3)	1.89(12)						S+ EF-2B (21-5) P3
11630 14744.720(19)	21.51(8)	14744.71	S+ GK-2C (6-1) Q2	11658 14729.09(2)	1.75(6)	14729.11	S+ 3F-2C (2-1) Q4
			<b>T+ 3c-2a (2-3) R8</b>	11659 14728.45(3)	1.47(6)	14728.46	
11631 14744.28(3)	2.7(2)			11660 14727.77(3)	0.79(6)		
11632 14744.09(3)	2.2(2)			11661 14727.36(2)	14.36(13)	14727.33	<b>T+ 3b-2a (8-4) R3</b>
11633 14743.642(19)	23.72(8)	14743.63	<b>T+ 3b-2a (8-4) R2</b>				S+ 3F-2C (2-1) Q2
11634 14743.24(2)	12.75(8)	14743.27		11662 14727.14(3)	3.11(13)		S- 3F-2C (3-2) R4
11635 14742.76(4)	0.69(8)			11663 14726.72(3)	1.00(6)		S- 3F-2C (2-1) Q2
11636 14742.07(2)	8.21(8)	14742.06	<b>T+ 3b-2a (8-4) R0</b>	11664 14726.06(2)	1.92(6)	14726.03	
11637 14740.52(2)	4.29(8)	14740.49		11665 14725.62(2)	2.67(6)	14725.61	S- 3F-2C (2-1) Q3
11638 14739.93(2)	6.41(12)			11666 14725.044(19)	14.09(6)	14725.04	S- 3E-2C (5-3) P5
11639 14739.68(2)	7.43(12)						<b>T+ 3b-2a (5-2) P3</b>
11640 14739.27(2)	13.19(8)	14739.27	<b>T+ 3c-2a (2-3) R7</b>	11667 14724.25(3)	1.08(6)	14724.25	
11641 14738.79(2)	3.63(8)			11668 14723.66(3)	1.27(6)	14723.70	S- 3F-2C (2-1) Q4
11642 14737.78(10)	0.4(2)			11669 14723.01(3)	1.10(7)		
11643 14737.58(8)	0.5(2)			11670 14722.71(3)	1.50(7)		
11644 14737.07(7)	0.28(8)			11671 14722.10(8)	0.20(6)		
11645 14736.41(2)	1.97(6)	14736.38		11672 14721.76(4)	0.63(7)		
11646 14736.10(2)	4.45(6)	14736.12	<b>T- 3c-2a (0-1) Q9</b>	11673 14721.40(3)	1.80(6)	14721.40	S+ EF-2B (16-2) P7
11647 14734.76(3)	1.56(6)			11674 14720.59(2)	2.15(6)		S- 3F-2C (2-1) Q5
11648 14734.45(2)	1.78(6)			11675 14720.14(2)	1.81(6)		
11649 14733.87(2)	3.28(5)	14733.86		11676 14719.73(4)	0.51(6)		
11650 14733.23(4)	0.47(5)			11677 14719.085(19)	18.96(7)	14719.08	<b>T+ 3c-2a (2-3) R5</b>
11651 14732.15(2)	2.13(5)	14732.13		11678 14717.61(3)	2.71(7)	14717.59	
11652 14731.45(4)	0.54(5)			11679 14717.10(3)	4.34(15)	14717.06	
11653 14731.09(3)	0.70(5)			11680 14716.88(4)	1.82(15)		
11654 14730.674(19)	29.51(7)	14730.70	<b>T+ 3c-2a (2-3) R6</b>	11681 14716.21(3)	8.57(7)	14716.26	<b>T- 3c-2a (1-2) Q1</b>

Table II (Continued).

$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K \nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
11682 14715.82(4)	1.29(7)		11711 14700.04(3)	22.01(7)	<b>T+ 3b-2a (8-4) R4</b>
11683 14714.35(5)	0.50(7)		11712 14699.06(3)	1.16(6)	S+ EF-2B (19-4) R1
11684 14713.84(5)	0.55(7)		11713 14698.61(4)	0.95(6)	S+ EF-2B (19-4) R2
11685 14713.19(3)	3.75(7)	14713.23			S+ GK-2C (6-1) Q3
11686 14712.62(3)	2.12(8)	14712.59	11714 14698.24(4)	0.69(7)	
11687 14712.32(5)	1.07(9)		11715 14697.90(5)	0.65(7)	
11688 14712.03(3)	2.83(9)	14712.06	11716 14697.52(5)	0.56(6)	
11689 14711.52(3)	6.60(9)	14711.53	11717 14696.65(4)	0.93(6)	
11690 14711.09(3)	27.08(9)	14711.11	11718 14696.21(4)	0.63(6)	
11691 14710.57(4)	1.55(15)		11719 14695.58(4)	1.12(6)	
11692 14710.33(3)	4.82(15)	14710.38	11720 14695.12(3)	1.82(9)	<b>T+ 3b-2a (8-4) P1</b>
11693 14709.81(3)	3.11(14)	14709.79			S+ EF-2B (21-5) P4
11694 14709.56(3)	3.03(13)	14709.55	11721 14694.86(5)	0.63(8)	
11695 14709.14(3)	8.09(9)	14709.15	11722 14694.47(5)	0.43(6)	
11696 14707.29(3)	6.27(13)	14707.28	11723 14693.55(4)	0.99(8)	S+ EF-2B (19-4) R0
11697 14707.03(3)	9.33(13)	14707.04	11724 14693.24(3)	22.87(9)	<b>T- 3c-2a (1-2) Q4</b>
11698 14705.97(3)	4.82(14)	14705.93	11725 14692.22(3)	1.11(6)	S+ EF-2B (19-4) R3
11699 14705.73(5)	1.10(14)		11726 14690.639(17)	1.81(11)	
11700 14705.26(3)	3.83(10)	14705.22	11727 14690.42(3)	0.78(11)	
11701 14704.96(4)	1.33(10)		11728 14688.95(9)	0.11(5)	
11702 14704.50(3)	30.28(10)	14704.50	11729 14688.25(3)	0.50(5)	
11703 14704.09(4)	1.48(9)		11730 14687.325(8)	11.30(6)	
11704 14703.71(4)	1.57(12)		11731 14687.032(8)	13.15(7)	<b>T+ 3c-2a (2-3) R3</b>
11705 14703.44(3)	15.72(12)	14703.44	11732 14685.99(2)	0.62(5)	
			11733 14684.96(2)	3.2(5)	
11706 14703.01(3)	4.54(9)	14703.02	11734 14684.377(13)	1.53(5)	14684.39
11707 14701.98(4)	1.12(9)		11735 14683.160(12)	1.75(4)	14683.15
11708 14701.60(4)	0.91(6)		11736 14682.481(10)	3.05(4)	
11709 14700.90(4)	1.03(6)		11737 14681.73(5)	0.17(4)	
11710 14700.47(5)	0.43(6)		11738 14681.05(7)	0.14(4)	



Table II (Continued).

$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment	$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment
11739 14680.603(8)	16.23(6)	14680.60	<b>T- 3c-2a (1-2) Q5</b> S- 3F-2C (3-2) R2 S+ EF-2B (19-4) R4 S+ EF-2B (12-0) P7 S+ 3F-2C (3-2) R2	11768 14656.37(3)	1.75(5)	14656.38	<b>T+ 3b-2a (8-4) P2</b> S+ 3F-2C (3-2) R1 S+ GK-2C (6-1) P3 <b>T+ 3c-2a (1-2) P2</b>
11740 14680.181(13)	1.82(5)			11769 14655.92(3)	0.97(5)	14655.90	
				11770 14654.83(2)	4.80(5)	14654.85	
11741 14679.784(12)	2.86(5)	14679.79		11771 14654.39(3)	1.76(5)		
11742 14679.48(2)	0.75(5)			11772 14653.80(2)	2.95(5)	14653.80	<b>T+ 3b-2a (4-1) P10</b>
11743 14678.79(4)	0.21(4)			11773 14653.21(4)	0.52(5)		
11744 14677.47(11)	0.08(4)			11774 14652.34(9)	0.13(5)		
11745 14676.86(5)	0.19(4)			11775 14651.78(4)	0.42(5)		
11746 14675.35(7)	0.21(5)			11776 14650.85(3)	1.08(5)		<b>T- 3c-2a (1-2) Q7</b> <b>T+ 3c-2a (2-3) R1</b> S+ EF-2B (19-4) P2 S+ GK-2C (6-1) Q4 S+ EF-2B (14-1) P7
11747 14674.79(5)	0.36(5)	14674.78		11777 14650.44(3)	2.08(9)	14650.42	
11748 14672.42(4)	1.28(5)			11778 14650.19(3)	1.04(5)		
11749 14670.85(4)	1.06(5)			11779 14649.60(2)	3.13(5)	14649.61	
11750 14670.18(6)	0.32(5)			11780 14649.22(5)	0.26(4)		<b>T- 3c-2a (1-2) Q7</b> <b>T+ 3c-2a (2-3) R1</b> S+ EF-2B (19-4) P2 S+ GK-2C (6-1) Q4 S+ EF-2B (14-1) P7
11751 14668.20(4)	1.83(5)			11781 14648.19(2)	6.63(5)	14648.18	
11752 14667.77(5)	0.53(5)			11782 14643.79(3)	6.18(6)	14643.81	
11753 14666.77(3)	18.22(6)	14666.75	<b>T+ 3c-2a (2-3) R2</b>	11783 14643.39(6)	0.31(5)		
11754 14666.15(4)	1.38(8)			11784 14641.87(5)	0.41(5)		S+ 3F-2C (2-1) P3
11755 14665.86(3)	16.31(7)	14665.85	<b>T+ 3b-2a (5-2) P4</b>	11785 14641.10(6)	0.27(5)		
11756 14665.57(3)	19.35(8)	14665.60	<b>T- 3c-2a (1-2) Q6</b>	11786 14640.45(4)	1.98(11)	14640.40	
11757 14665.19(4)	0.82(6)			11787 14640.22(5)	0.81(11)		
11758 14662.64(2)	8.33(6)	14662.66	<b>T+ 3b-2a (8-4) R5</b>	11788 14639.83(3)	1.87(5)	14639.85	S+ 3F-2C (2-1) P3
11759 14662.07(3)	1.52(5)	14662.08	S+ EF-2B (19-4) R5	11789 14638.17(3)	2.07(5)	14638.13	
11760 14661.55(3)	1.03(6)	14661.58		11790 14637.52(4)	0.65(5)	14637.50	
11761 14661.18(4)	0.69(6)			11791 14636.87(7)	0.22(5)		
11762 14660.82(3)	1.04(6)	14660.80		11792 14631.91(4)	0.85(5)	14631.90	<b>T- 3c-2a (1-2) Q8</b>
11763 14659.58(5)	0.49(6)			11793 14631.53(4)	1.45(5)	14631.58	
11764 14659.28(3)	1.15(6)	14659.28		11794 14631.11(3)	1.47(5)	14631.04	
11765 14658.29(4)	0.60(5)			11795 14628.53(3)	9.10(7)	14628.53	
11766 14657.69(2)	3.16(5)	14657.67		11796 14628.17(5)	0.64(6)		
11767 14657.31(2)	5.79(6)	14657.31					

Table II (Continued).

$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment	$K \nu, \text{cm}^{-1}$	$I, \text{counts}$	$\nu_R, \text{cm}^{-1}$	Assignment
11797 14627.66(5)	0.51(5)			11827 14606.67(3)	4.6(2)		<b>T- 3c-2a (1-2) Q9</b>
11798 14625.93(4)	0.56(5)			11828 14606.21(3)	15.55(5)	14606.21	<b>T+ 3b-2a (2-0) R2</b>
11799 14625.49(4)	0.55(5)			11829 14605.22(3)	2.09(5)	14605.20	
11800 14624.45(3)	13.30(6)	14624.49		11830 14604.38(3)	8.96(5)	14604.40	<b>T+ 3b-2a (2-0) R3</b>
11801 14623.65(6)	0.28(5)			11831 14603.54(3)	2.50(5)	14603.55	<b>T+ 3b-2a (8-4) P3</b>
11802 14622.91(3)	2.39(5)	14622.94	<b>T+ 3c-2a (0-1) P6</b>	11832 14602.95(4)	1.25(6)	14602.89	
11803 14622.46(4)	0.74(5)			11833 14602.67(4)	0.81(6)		
11804 14621.92(3)	2.23(5)	14621.92		11834 14602.11(7)	0.35(9)		
11805 14621.52(10)	0.13(5)			11835 14601.89(3)	2.37(9)	14601.93	
11806 14619.73(3)	2.94(5)	14619.70		11836 14600.62(6)	0.22(5)		
11807 14619.01(7)	0.20(5)			11837 14599.13(3)	4.45(4)	14599.12	<b>T+ 3b-2a (2-0) R1</b>
11808 14618.55(3)	7.85(8)	14618.53		11838 14598.43(4)	0.60(5)		
11809 14618.30(3)	10.50(8)	14618.29	<b>T+ 3c-2a (2-3) R0</b>	11839 14598.42(5)	0.72(9)		
11810 14617.80(4)	2.15(9)		<b>T+ 3c-2a (1-2) P3</b>	11840 14598.11(3)	3.74(5)	14598.08	<b>T+ 3b-2a (5-2) P5</b>
11811 14617.56(10)	0.22(9)			11841 14597.61(4)	0.53(4)		S+ 3F-2C (3-2) Q2
11812 14616.24(3)	5.11(4)	14616.27		11842 14596.67(3)	1.45(4)	14596.63	S- 3F-2C (3-2) Q2
11813 14615.05(6)	0.21(4)			11843 14596.12(3)	2.78(5)	14596.15	
11814 14614.42(8)	0.26(8)			11844 14595.81(9)	0.14(5)		
11815 14614.19(7)	0.35(7)			11845 14595.24(5)	0.38(4)		S+ 3F-2C (3-2) Q3
11816 14613.83(3)	1.63(4)	14613.84		11846 14593.98(4)	0.77(5)		
11817 14613.35(4)	0.45(4)			11847 14593.64(3)	14.20(7)	14593.61	<b>T+ 3b-2a (2-0) R4</b>
11818 14612.98(4)	0.70(4)		S+ EF-2B (19-4) P3	11848 14593.27(4)	1.14(4)		S+ EF-2B (17-3) R1
11819 14612.43(4)	0.65(4)			11849 14591.68(3)	1.15(7)	14591.69	S+ EF-2B (17-3) R2
11820 14611.40(4)	0.58(4)						S+ 3F-2C (3-2) Q4
11821 14610.01(6)	0.25(5)		S- 3F-2C (2-1) P4	11850 14591.42(7)	0.28(7)		
11822 14609.13(3)	1.75(5)	14609.17	S+ 3F-2C (2-1) P4	11851 14590.45(3)	2.33(5)	14590.48	
11823 14608.57(3)	1.40(5)	14608.56	S+ EF-2B (21-5) P6	11852 14589.68(3)	0.81(5)		
11824 14608.12(4)	0.46(5)			11853 14588.37(4)	0.46(5)		
11825 14607.54(4)	0.46(5)			11854 14587.85(2)	4.53(7)	14587.85	<b>T- 3c-2a (2-3) Q1</b>
11826 14606.84(4)	1.8(2)			11855 14587.59(3)	1.56(7)		<b>T+ 3b-2a (10-5) P4</b>

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts $\nu_R$ , $\text{cm}^{-1}$	Assignment
11856 14586.59(6)	0.22(5)		11885 14559.41(4)	0.22(5)	S+ EF-2B (17-3) P1
11857 14585.23(2)	3.82(5)	14585.24	11886 14558.90(3)	0.48(5)	
11858 14583.83(5)	0.43(8)		11887 14558.13(2)	1.37(12)	
11859 14583.57(3)	1.02(8)	14583.55	11888 14557.915(12)	5.07(12)	14557.93
11860 14583.135(18)	3.85(7)	14583.13	11889 14557.25(3)	0.38(5)	<b>T+ 3c-2a (3-4) R3</b>
11861 14582.842(16)	12.95(8)	14582.86	11890 14556.858(17)	1.08(5)	<b>T- 3c-2a (1-2) Q11</b>
			11891 14556.37(3)	0.32(5)	
11862 14582.38(3)	0.74(5)		11892 14553.160(10)	5.73(5)	<b>T- 3c-2a (2-3) Q5</b>
11863 14581.02(3)	0.72(5)	14581.02	11893 14552.49(3)	0.32(5)	
11864 14579.568(17)	4.25(5)	14579.59	11894 14551.22(4)	0.22(5)	
11865 14578.61(5)	0.28(5)		11895 14550.83(4)	0.26(5)	S+ 3F-2C (2-1) P6 S- 3F-2C (2-1) P6
11866 14578.10(3)	0.81(5)	14578.11			
11867 14577.417(18)	2.73(5)	14577.43	11896 14550.45(2)	0.64(5)	
11868 14576.93(5)	0.28(5)		11897 14549.139(18)	0.86(5)	
11869 14576.52(3)	0.68(5)	14576.51	11898 14547.97(4)	0.28(5)	
11870 14575.68(4)	0.46(6)		11899 14547.366(13)	2.23(5)	
11871 14575.381(16)	9.34(6)	14575.37	11900 14545.770(10)	6.33(6)	T+ 3b-2a (2-0) R6
11872 14574.076(16)	5.93(5)	14574.05	11901 14543.77(3)	0.38(5)	
11873 14573.748(16)	8.84(5)	14573.75	11902 14542.43(4)	0.29(5)	
11874 14572.55(4)	0.37(5)		11903 14541.492(12)	2.65(5)	<b>T+ 3b-2a (8-4) P4</b>
11875 14571.60(5)	0.26(5)		11904 14538.91(2)	7.53(5)	S+ EF-2B (19-4) P5
11876 14571.20(4)	0.39(5)				<b>T+ 3c-2a (1-2) P5</b>
11877 14569.22(3)	0.52(5)	14569.24			<b>T+ 3c-2a (3-4) R2</b>
11878 14566.82(2)	0.82(5)				<b>T- 3c-2a (2-3) Q6</b>
11879 14565.469(15)	12.36(6)	14565.45	11905 14538.51(2)	7.43(8)	14538.55
11880 14564.00(3)	0.46(5)		11906 14538.22(4)	0.78(8)	
11881 14562.53(7)	0.13(5)		11907 14532.18(2)	0.52(4)	14532.19
11882 14561.10(5)	0.18(5)		11908 14531.70(2)	0.56(4)	14531.69
11883 14560.54(2)	0.55(5)	14560.54	11909 14530.57(6)	0.14(4)	
11884 14559.92(3)	0.40(5)		11910 14529.020(19)	0.83(4)	<b>T+ 3c-2a (0-1) P8</b>
			11911 14527.782(17)	1.18(4)	14527.79
					<b>T+ 3c-2a (2-3) P2</b>

Table II (Continued).

$K\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	$K\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
11912 14527.35(4)	0.27(4)			11941 14482.419(19)	2.21(4)	14482.40	S- 3E-2B (2-12) Q1
11913 14524.639(19)	0.88(4)	14524.66	<b>T+ 3b-2a (2-0) P1</b>	11942 14481.26(2)	1.12(4)	14481.26	<b>T+ 3b-2a (2-0) P2</b>
11914 14524.27(2)	0.78(4)		<b>T+ 3b-2a (5-2) P6</b>	11943 14475.41(4)	0.22(4)		<b>T- 3c-2a (2-3) Q9</b>
11915 14523.76(4)	0.21(4)			11944 14473.47(2)	0.56(4)	14473.46	S+ EF-2B (15-2) R5
11916 14523.21(5)	0.17(4)			11945 14472.756(11)	2.03(5)	14472.76	<b>T+ 3c-2a (4-5) R6</b>
11917 14521.574(13)	3.15(4)	14521.57	<b>T- 3c-2a (2-3) Q7</b>	11946  <b>14468.86(2)</b>	0.59(4)		<b>T+ 3b-2a (8-4) P5</b>
11918 14520.65(4)	0.21(4)			11947 14468.05(3)	0.40(4)		
11919 14517.108(14)	2.07(4)	14517.10	<b>T+ 3c-2a (3-4) R1</b>	11948 14466.98(5)	0.15(4)		
11920 14516.26(3)	0.33(4)			11949 14464.68(3)	0.64(3)	14464.68	
11921 14514.71(3)	0.43(4)	14514.72		11950 14464.03(3)	1.15(4)	14464.00	<b>T+ 3c-2a (4-5) R5</b>
11922 14513.99(3)	0.42(4)	14513.98		11951 14463.75(5)	0.44(4)		
11923 14508.78(3)	1.88(4)	14508.77	<b>T+ 3b-2a (2-0) R7</b>	11952 14463.43(3)	3.21(3)	14463.47	<b>T- 3c-2a (3-4) Q1</b>
11924 14508.32(4)	0.46(4)	14508.37	S+ EF-2B (15-2) R2				<b>T+ 3b-2a (2-0) R8</b>
11925 14507.00(4)	0.61(4)	14507.02	S+ EF-2B (15-2) R1				
11926 14504.82(4)	0.52(4)	14504.77	S+ EF-2B (17-3) P3	11953 14462.97(5)	0.19(3)		
11927 14503.96(3)	1.23(4)	14503.97	S- 3E-2B (2-12) Q2	11954 14461.78(4)	0.26(3)	14461.77	
11928 14503.51(3)	1.50(4)	14503.54	S+ EF-2B (15-2) R3	11955 14459.90(4)	0.27(3)		
11929 14502.45(3)	3.69(5)	14502.45	<b>T- 3c-2a (2-3) Q8</b>	11956 14459.08(4)	0.37(3)		
11930 14500.63(4)	0.94(4)	14500.61		11957 14458.60(3)	4.49(3)	14458.60	<b>T- 3c-2a (3-4) Q2</b>
11931 14499.40(6)	0.26(4)			11958 14457.94(3)	1.62(3)	14457.93	<b>T- 3c-2a (2-3) Q10</b>
11932 14494.42(3)	0.72(4)	14494.39		11959 14456.98(3)	1.77(3)	14457.00	<b>T+ 3c-2a (2-3) P4</b>
11933 14493.897(18)	3.37(4)	14493.89	S+ EF-2B (19-4) P6	11960 14455.84(4)	0.26(3)		
			<b>T+ 3c-2a (1-2) P6</b>	11961 14455.16(5)	0.22(3)		
11934 14493.34(2)	0.85(4)	14493.36	<b>T+ 3c-2a (2-3) P3</b>	11962 14453.60(6)	0.16(3)		
11935 14492.686(18)	3.06(4)			11963 14451.33(3)	2.27(13)	14451.32	<b>T- 3c-2a (3-4) Q3</b>
11936 14492.15(3)	0.54(4)	14492.17	S+ EF-2B (15-2) R4	11964 14451.17(3)	3.04(13)	14451.18	<b>T+ 3c-2a (4-5) R4</b>
11937 14491.65(4)	0.32(4)			11965 14446.87(4)	0.31(3)		
11938 14488.92(3)	0.38(4)	14488.93		11966 14443.75(4)	0.28(3)	14443.78	S+ EF-2B (19-4) P7
11939 14488.54(4)	0.29(4)			11967 14441.694(19)	4.29(4)	14441.70	<b>T- 3c-2a (3-4) Q4</b>
11940 14483.89(4)	0.25(4)		<b>T+ 3c-2a (0-1) P9</b>	11968 14435.26(2)	1.19(3)	14435.26	<b>T+ 3c-2a (4-5) R3</b>

Table II (Continued).

$K\nu$ , $\text{cm}^{-1}$	$I$ , counts/ $\nu_R$ , $\text{cm}^{-1}$	Assignment	$K\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
11969 14432.74(3)	0.35(3)	14432.72	S+ EF-2B (22-6) R3	0.53(3)	14409.62	
11970 14431.68(2)	0.94(3)	14431.65		0.23(3)		<b>T+ 3c-2a (3-4) P2</b>
11971 14429.73(2)	1.68(3)	14429.75	<b>T+ 3b-2a (2-0) P3</b>	0.95(3)	14405.53	<b>T- 3c-2a (3-4) Q7</b>
11972 14427.36(2)	1.09(3)	14427.35	<b>T- 3c-2a (3-4) Q5</b>	0.89(3)	14399.03	<b>T+ 3c-2a (4-5) R1</b>
11973 14425.59(3)	0.56(3)	14425.61	<b>T+ 3b-2a (5-2) P7</b>	0.56(3)	14395.30	
11974 14422.34(4)	0.23(3)		S+ EF-2B (17-3) P5	0.10(3)		<b>T+ 3b-2a (8-4) P6</b>
11975 14418.77(3)	0.61(3)	14418.77		0.42(3)	14386.21	
11976 14416.57(2)	1.85(3)	14416.59	<b>T+ 3c-2a (2-3) P5</b>	0.12(3)	14384.71	
			S+ EF-2B (13-1) R1	0.24(3)		S+ EF-2B (29-10) P1
11977  <b>14415.50(2)</b>	3.01(3)		<b>T+ 3c-2a (4-5) R2</b>	1.10(4)	14380.47	<b>T- 3c-2a (3-4) Q8</b>
11978 14413.92(3)	0.40(3)	14413.92	<b>T- 3c-2a (3-4) Q6</b>			<b>T+ 3c-2a (2-3) P6</b>
11979 14412.10(5)	0.18(3)	14412.12	<b>T+ 3c-2a (1-2) P8</b>	0.70(3)	14378.81	

